PHASE I

ENVIRONMENTAL SITE ASSESSMENT

KRAFT PROPERTIES 115 N. 22ND STREET 119 N. 22ND STREET

BILLINGS, MONTANA









October 8, 2015

Mr. Patrick Klugman Community Development Project Manager Big Sky Economic Development 222 N. 32nd St., Suite 200 Billings, Montana 59101

Subject: Phase I Environmental Site Assessment

Kraft Properties 115 North 22nd Street 119 North 22nd Street Billings, MT

Dear Mr. Klugman:

Please find enclosed three paper copies and one electronic copy of the Phase I Environmental Site Assessment (ESA) for the above-mentioned property. Please provide one hardcopy to the site owner. We will send an electronic copy to Wendi Thomi with EPA.

This ESA was completed for Big Sky Economic Development (BSED) on behalf of the current owner, Carol Kraft Living Trust. The ESA was performed in accordance with ASTM Standard E 1527-13. The site visit, review of historical information and reports, interviews of people familiar with the target property, and review of regulatory agency files identified one REC and on CREC associated with the target property.

The property at 2123 2nd Avenue North, located across the street directly to the north, was found to have had historical use of petroleum product storage, fueling, greasing and washing, and auto repair, which is considered a REC. The property located at 2123 1st Avenue North, directly south-adjacent to the target property, was found to be a closed LUST site that has been addressed to the satisfaction of DEQ; however, per the ASTM Phase I standard, this facility is a CREC for the target property.

Based on visual observations made during the site reconnaissance, and due to fact the building was constructed in 1910, asbestos-containing materials (ACM) and lead-based paint (LBP) may be present in the residential rental duplex located on the target property. These building materials do not fully meet the definition of a REC based on the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) definition of hazardous substances (42 U.S.C. 9601 (14)) but still present an environmental concern. NewFields acknowledges that suspect building materials may be present; however, the presence of ACM and LBP cannot be confirmed until an appropriate survey is completed. Further environmental sampling is suggested for possible ACM and LBP associated with the target property.



We appreciate the opportunity to work with you on this project. Please contact us if you have any questions.

Respectfully submitted,

Tyler Etzel Senior Scientist

Enclosure

cc: Mrs. Wendi Thomi, U.S. EPA Brownfields (one electronic copy)

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Kraft Properties 115 N. 22nd Street 119 N. 22nd Street Billings, MT 59101

Prepared for:

Big Sky Economic Development 222 North 32nd Street, Suite #200 Billings, Montana 59101

Prepared by:

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October 2015 Project 350.0181.000



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EXECUTIVE SUMMARY

This report presents the results of a Phase 1 Environmental Site Assessment (ESA) performed at the Kraft Properties located at 115 N. 22nd Street and 119 N. 22nd Street in Billings, Montana (target property). NewFields Companies, LLC (NewFields) completed this ESA for Big Sky Economic Development (BSED) on behalf of the current owner, Carol Kraft Living Trust. The ESA was completed in accordance with ASTM E 1527-13 (ASTM International, 2013). The standard complies with the U.S. Environmental Protection Agency (EPA) All Appropriate Inquiries (AAI) Final Rule (40 CFR 312).

The site visit, review of historical information and reports, interviews of people familiar with the target property, and review of Sanborn Fire Insurance Maps and regulatory agency files identified one REC and one CREC associated with the target property:

- The property located at 2123 2nd Avenue North is currently an auto glass shop (ZNG Glass), but Sanborn Maps dated from 1948, 1958, 1961, 1968, and 1969 show former use of this property as gasoline and oil storage, fueling, greasing and washing, and auto repair facility. The past use of this adjoining property located upgradient to the target property is considered a REC for the target property.
- The property located at 2123 1st Avenue North (Yellowstone Valley Brewing Company) was identified in the EDR report as a former, closed LUST site (Hancock Properties/Tire Rama) that has been addressed to the satisfaction of DEQ. Per the ASTM Phase I standard this facility is a CREC for the target property.
- Based on visual observations of the duplex made during the site reconnaissance, and its construction date (1910), asbestos-containing materials (ACM) and lead-based paint (LBP) may be present in the residential rental duplex located on the target property. These building materials do not fully meet the definition of a REC based on the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) definition of hazardous substances (42 U.S.C. 9601 (14)) but still present an environmental concern. NewFields acknowledges that suspect building materials may be present; however, the presence of ACM and LBP cannot be confirmed until an appropriate survey is completed.

1.0 INTRODUCTION

This report presents the results of a Phase I ESA for the Kraft Properties located at 115 N. 22nd Street and 119 N. 22nd Street in Billings, Montana (target property), as shown on **Figures I** and **2**. NewFields completed this ESA on behalf of the owner, Carol Kraft Living Trust (Owner), and BSED. This ESA was conducted in accordance with ASTM International (ASTM) E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM International, 2013). ASTM E 1527-13 complies with U.S. Environmental Protection Agency (EPA) All Appropriate Inquiries (AAI) Final Rule (40 CFR 312), which was promulgated November I, 2005 and took effect November I, 2006.

1.1 Purpose

The purpose of the ESA is to compile and review available information about the target property and properties in the immediate vicinity to identify *Recognized Environmental Conditions* (RECs) to the extent feasible pursuant to ASTM E 1527-13. According to ASTM E 1527-13, a REC is defined as:

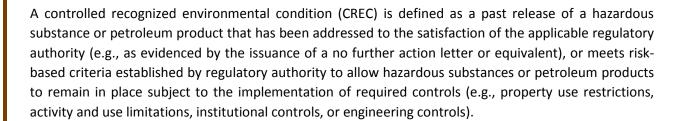
"the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

The term includes hazardous substances or petroleum products even under conditions in compliance with environmental laws. The term is not intended to include de minimis conditions that generally do not present a threat to public health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate regulatory agencies.¹

In accordance with ASTM E 1527-13, readily available information has been researched in the preparation of this ESA to assist in determining whether a (1) recognized environmental condition (REC), (2) historical recognized environmental condition (HREC), (3) controlled recognized environmental condition (CREC), or (4) de minimis condition exists at the target property.

A historical recognized environmental condition (HREC) is defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority and without subjecting the property to any required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls).

¹ The AAI Final Rule applies to "...conditions indicative of releases and threatened releases of hazardous substances... (and) petroleum or petroleum products which are excluded from the definition of hazardous substance..." (40 CFR 312.1).



1.2 Reason For Performing the ESA

BSED commissioned this Phase I ESA in accordance with provisions of its EPA Hazardous Substance Brownfields Assessment Grant on behalf of the Carol Kraft Living Trust, who wishes to redevelop the structures on the property. This ESA has been prepared using ASTM E 1527-13 and constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 United States Code (U.S.C.) §960 I (35)(B).

1.3 SCOPE OF SERVICES

The scope of services for this ESA included the following tasks:

- A site visit and visual observation of property conditions, and of adjoining property use, for releases or threat of releases of hazardous substances or petroleum products;
- Review of federal and state environmental database information concerning petroleum and hazardous chemical storage and use, as available;
- Review of sources of historical site use information, including aerial photographs and Sanborn Fire Insurance Maps, as available;
- Correspondence with the current property owner or interviews with individuals familiar with the target property; and,
- Preparation of this Phase I ESA report.

1.4 EXCLUSIONS

The following were not included as part of the Phase I ESA:

- Collection and analysis of soil, air (including radon), water, or building material samples;
- Reconnaissance of PCB- transformer ballasts potentially located within light fixtures;
- Mold surveys;
- Wetland delineations of the properties;
- Threatened and endangered species surveys;
- Cultural or historic surveys of the properties;
- Environmental lien search; or,

 Surveys for lead-based paint (LBP) or asbestos-containing materials (ACM) associated with onsite buildings.

1.5 SIGNIFICANT ASSUMPTIONS

Based on the Montana Bureau of Mines Ground-Water Assessment (1:50,000-scale), the groundwater flow direction of the Middle Yellowstone River Aquifer is likely to the east/southeast (Olsen, 2005). Groundwater elevations were not measured during this investigation, but based on topography, the assumed groundwater flow direction is east-southeast towards the Yellowstone River.

1.6 ASSUMPTIONS, LIMITATIONS, & EXCEPTIONS

NewFields prepared this Phase I ESA using reasonable efforts to identify RECs associated with hazardous substances or petroleum products at, or near, the target property consistent with guidance described in ASTM E 1527-13. Within the limitations of the agreed-upon scope of work and the ASTM Standard, this assessment has been conducted in a professional manner in accordance with generally accepted practices, using the degree of skill and care ordinarily exercised by environmental consultants under similar circumstances. No other warranties, expressed or implied, are made.

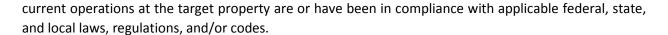
Reasonable efforts have been made to assess the entire target property. "Reasonable efforts" are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record, and available information obtained during interviews. This report does not constitute legal advice, nor does NewFields make any determination or recommendations regarding the decision to purchase, sell, acquire, or provide financing for the target property.

Time Constraint

The opinion and conclusions presented in this report are based on the site conditions observed and information reviewed at the time of this assessment. Information pertaining to site conditions or changes may exist of which we are unaware, or which we have not had the opportunity to evaluate within the time available for this ESA.

Uncertainty Not Eliminated

Per the ASTM Standard, no ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The use of the ASTM standard is intended to reduce, but not eliminate, this uncertainty. Due to physical limitations inherent to this or any environmental assessment, NewFields does not warrant the target property is free of pollutants or that all pollutants have been identified. This report is not definitive and should not be assumed to be a complete or specific definition of all conditions above or below grade. Some features may have been hidden from plain view during site reconnaissance due to snow cover, pavement, construction or debris pile storage, or other obstructions. Subsurface conditions may differ from the conditions implied by the surface observations and can only be evaluated reliably through intrusive techniques. As such, no absolute determination of environmental risks is made. NewFields also makes no representation or warranty that the past or



Reliance on Information Provided by Others

NewFields has relied upon reasonably ascertainable information provided by others or otherwise publicly available in the evaluation of environmental site conditions reported herein. NewFields did not attempt to provide independent verification of the accuracy or completeness of that information. To the extent that the opinion and conclusions in this report are based in whole or in part on such information, those conclusions are contingent upon its accuracy and validity, and NewFields will not be responsible for the accuracy or completeness of such information, and shall not be liable for any inaccuracies or omissions therein. NewFields also assumes no responsibility for and will not be liable for any consequence arising from any other information or condition that was concealed, withheld, misrepresented, or otherwise not fully disclosed or available to NewFields.

The regulatory database report provided herein is based on an evaluation of data collected and compiled by a subcontracted data research company in accordance with ASTM E 1527-13. The focus of the database review is on the target property and neighboring properties within specified search distances that are listed on governmental databases that may impact the target property. The information provided in the regulatory database report is assumed to be correct and complete unless obviously contradicted by field observation or other reviewed sources.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

1.7 Special Terms & Conditions (User Reliance)

This ESA report has been prepared by NewFields for BSED. In using this report, BSED and Carol Kraft Living Trust shall be bound by the provisions of the Client Services Agreement between NewFields and BSED. BSED and Carol Kraft Living Trust may release this report to other parties; however, such third party in using this report agrees that it shall have no legal recourse against NewFields, its parent, or its subsidiaries. Neither NewFields nor any of its affiliates, nor any of their respective past, present or future members, managers, employees, agents, representatives, advisors, subcontractors or controlling persons (collectively the "NewFields Parties") shall have any liability to any person or entity asserting claims on behalf of or in the right of BSED or Carol Kraft Living Trust related to or arising out of this report or any actions taken or omitted to be taken by any of the NewFields Parties in connection therewith.

This report may not be submitted, distributed or filed, in whole or in part by BSED or Carol Kraft Living Trust, to or with any party, governmental agency or regulatory body or authority, or summarized or quoted from, in each instance, without the prior review and written approval of NewFields. No party shall rely on this report without the written consent from NewFields.

It shall be noted that a Phase 1 ESA has industry shelf life of 180 days per ASTM E 1527-13. Any party relying on any finding in this report 180 days from October 8, 2015 does so at its own risk.

2.0 SITE DESCRIPTION

The characteristics and uses of the property and vicinity are described in the following sections.

2.1 LOCATION AND LEGAL DESCRIPTION

The target property is comprised of two parcels located at 115 N. 22nd Street (south parcel) and 119 N. 22nd Street (north parcel) in Billings, Montana and lies in Township 01 North, Range 26 East, Section 33 (**Figure I**). The approximate latitude and longitude of the target property in decimal degrees is 45.7864 and -108.4986, respectively. The target property's elevation is approximately 3,121 feet above mean sea level. According to Montana's Cadastral Mapping Program (MCMP, 2015), the legal property descriptions and Geocodes for the two parcels are:

- Parcel 1: 115 N. 22nd Street
- BILLINGS ORIGINAL TOWNSITE, S33, T01 N, R26 E, BLOCK 86, Lot 16-17; and,
- GEOCODE: 03-1033-33-3-19-06-0000
- Parcel 2: 119 N. 22nd Street
- BILLINGS ORIGINAL TOWNSITE, S33, T01 N, R26 E, BLOCK 86, Lot 14-15, S2 LT 14; and,
- GEOCODE: 03-1033-33-3-19-05-0000

2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

2.2.1 General Site Setting

The target property is located in a mixed-use residential and commercial area of Billings, Montana (**Figure 1**). As shown on **Figure 2**, the north parcel of the target property is comprised of a two-story duplex building built in 1910. The south parcel is an empty lot. The property surface is covered with grass, concrete and compacted gravel. The duplex located on the north parcel is used as a residential rental property. Adjacent land use includes residential and commercial properties to the north, residential properties to the west, an alley and commercial properties to the east, and the Yellowstone Valley Brewing Company to the south (**Figure 2**).

2.2.2 Geology, Hydrogeology and Soils

Near surface geology in the vicinity of the target property area is characterized by fine-grained sand overlaying course-grained sands. Underlying the sand unit is shale bedrock of the Late Cretaceous Colorado Group, which is typical of the Yellowstone River alluvial valley (Olsen, 2005).

The Montana Bureau of Mines and Geology (MBMG) Ground-Water Information Center (GWIC) database contains records for 84 wells in Section 33 of Township 01 North, Range 26 East (MBMG 2015; **Appendix A**). Well depths range from 13.5 to 72 feet below ground surface (ft bgs) with an average depth of 22.5 ft bgs. Static water levels (SWL) in the vicinity of the target property range from 7 to 20 ft

bgs with an average SWL of 12 ft bgs. Well yields in the area range from 3 to 100 gallons per minute (gpm) with an average of about 34 gpm.

Soil at the property is mapped by the U.S. Department of Agriculture (USDA, 2015) as Lohmiller silty clay. This well-drained soil originated from alluvial parent material and has a typical profile of silty clay from 0 - 9 inches bgs, stratified clay to silty clay loam from 9 - 42 inches bgs, and stratified silty clay loam to fine sandy loam from 42 - 60 inches bgs.

2.3 CURRENT USE OF THE SITE

The target property is utilized as a rental property. Improvements on the target property include a two-story, rental duplex on the north parcel and an empty lot on the south parcel.



An interview of the current owner, Ms. Carol Kraft, did not provide any other commonly known information beyond the sources referenced within this document.

3.1 Property Ownership Records

The site is currently owned by Carol Kraft Living Trust. Property ownership records provided by the Montana Cadastral Database are included as **Appendix B**.

3.2 SPECIALIZED KNOWLEDGE

NewFields did not receive any specialized knowledge in addition to the information sources referenced in Section 11.0 of this report, and information contained in Appendices A through J.

3.3 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

All information reviewed for the site is discussed in **Section 4.0**, below.

3.4 Value Reduction for Environmental Issues

NewFields was not provided an appraisal or selling price for the target property. Therefore, a selling price to value comparison was not performed as part of this assessment. Tax appraisals from 2013 through 2015 are included in **Appendix B**. A valuation reduction due to perceived existing environmental issues may affect the property; however, a list of values for similar properties in the area without perceived environmental problems was not developed. Therefore, a quantifiable reduction in the value of the property was not determined.

3.5 OWNER INFORMATION

Carol Kraft Living Trust is listed as the current owner of the target property (Appendix B).

3.6 OTHER

Carol Kraft noted that the residential structures that occupied the 115 N. 22nd Street (south parcel) were demolished in July 2014 because of their dilapidated and blighted state. Prior to demolition, an asbestos inspection was completed by Northern Industrial Hygiene (NIH), Inc. in April/May of 2014 (**Appendix C**). Through inspection and laboratory testing, NIH concluded that asbestos was present in the structure located at 115 N. 22nd Street. Safetech, Inc. of Billings, Montana performed the ACM abatement prior to demolition of the building.

4.0 RECORDS REVIEW

The records reviewed for this ESA included standard environmental databases and readily available historical information. Information from review of these documents is described in the following sections.

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES

EDR was retained to search federal, state, and tribal environmental regulatory databases for properties with documented environmental releases and/or those that use, store, or dispose of regulated chemicals. The distances of the database searches were consistent with those listed in ASTM E 1527-13. Descriptions of the ASTM databases that were searched and a list of the regulatory database results are presented in the EDR Radius Map Report dated August 18, 2015 (EDR, 2015; **Appendix D**). The information provided by EDR is limited to what has been reported or registered in each publically available database. The information was used to evaluate the existing conditions and to determine whether surrounding properties could potentially affect soil or groundwater conditions at the site. When possible, the physical address for each site identified in the EDR report was verified through telephone and business listings as well as online street views of the property.

4.1.1 On-Site

EDR prepared the attached Radius Map Report (**Appendix D**) by searching dozens of regulatory databases, including CERCLIS, Underground Storage Tank (UST), Leaking Underground Storage Tank (LUST), Indian UST, Indian LUST, U.S. Brownfields, and Resource Conservation and Recovery Act (RCRA) hazardous waste databases. NewFields review of the EDR report did not identify any on-site RECs for the target property.

4.1.2 Off-Site

A summary of off-site findings follows below and is included as **Appendix D**. NewFields review of the off-site properties revealed one controlled recognized environmental condition (CREC) associated with the target property.

<u>CERC-NFRAP Sites:</u> A review of the CERC-NFRAP list, as provided by EDR, revealed five CERC-NFRAP sites within approximately ½-mile of the target property. None of these sites is considered a REC due to their distance (>500 ft) from the target property.

<u>Federal RCRA CORRACTS Sites:</u> The EDR report showed two RCRA CORRACTS sites within 1 mile of the target property. Neither of these sites is considered a REC due to their distance (>500 ft) from the target property.

<u>Federal RCRA non-CORRACTS TSDs Sites:</u> According to the EDR report, two RCRA non-CORRACTS TSDs sites are located within 1 mile of the target property. Neither of these sites is considered a REC due to their distance (>500 ft) from the target property.

RCRA Generators Sites: A review of the RCRA Generators list, as provided by EDR, revealed 10 RCRA Generator sites within approximately ¼- mile of the target property. One of these sites, Signs Etc., was within 500 feet of the property and is a conditionally exempt small quantity generator (CESQG), which generates less than 100 kg of hazardous waste per month, or less than 1 kg of acutely hazardous waste per month. Based on the EDR report, no release of contaminants has been reported for this site, and it is located hydraulically downgradient of the target property based on an assumed groundwater flow direction to the east-southeast. For these reasons, the Signs Etc. property is not considered a REC for the target property.

SHWS Sites: A review of the SHWS list, as provided by EDR, revealed that there are six SHWS sites within ½-mile of the target property. None of these sites is considered a REC due to their distance (>500 ft) from the target property.

<u>LUST Sites</u>: A review of the EDR report revealed 35 LUST sites within approximately ½- mile of the target property. Two of these sites are within 500 feet of the target property:

- Hancock Properties
- AAA Transmission Co.

The Hancock Property is an adjoining property immediately to the south of the target property (currently the Yellowstone Valley Brewing Company). This property is a CREC for the target property because it had a past environmental release that has been addressed to the satisfaction of DEQ, and because it is located adjacent to the target property, and therefore poses a material threat of a future release to the environment. The AAA Transmission Co. property is located approximately 280 feet south of the target property and just south of 1st Ave. N. This property is not considered a REC for the target property because it is located hydraulically downgradient and because it is not immediately adjacent to the target property.

<u>UST Sites:</u> A review of the UST list in the EDR report revealed 24 UST sites within approximately ¼-mile of the site. Three of these sites are within 500 feet of the target property:

- Hancock Properties
- AAA Transmission Co.
- Don Lee Former Service Station

The Hancock Property and AAA transmission property are discussed in the LUST Site section of this report above. The Don Lee Former Service Station is located approximately 500 feet west (crossgradient) of the target property and is not considered a REC for the target property.

<u>AST Sites:</u> The EDR report revealed one AST site within approximately ¼-mile of the site. This site is not considered a REC due to its distance (>500 ft) from the target property.

<u>U.S. Brownfields Sites:</u> The EDR report noted 32 U.S Brownfields sites within ½-mile of the target property. Five Brownfields sites are within 500 feet of the target property and include:

- AA Transmission (aka: AAA Transmission)
- Rent-a-Wreck
- Bargreen Ellingson Property
- Jem Properties 202
- Jem Properties 201

According to the EDR report, there is no reported contamination at the AA Transmission, Rent-a-Wreck, or Bargreen Ellingson Property sites, and these properties are located downgradient to the target property. Both Jem Properties sites were reported to contain asbestos and lead-based paint, which are not considered RECs for the target property. Based on the lack of any reported release to the environment and location downgradient to the target property, these sites are not considered RECs for the target property.

<u>DEL SHWS Sites:</u> The EDR report shows 15 DEL SHWS sites that have been delisted from the list of CECRA sites and are located within 1 mile of the target property. These sites are not considered RECs due to their distance (>500 ft) from the target property and lack of confirmed release.

<u>RCRA Non-Generator</u>: The EDR report revealed eight non-generator sites within approximately ¼-mile of the target property. The RCRA-NonGen list includes sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste. Three sites are within 500 feet of the target property:

- Tire Rama (Hancock Properties)
- Computers4Kids and Nuttree Enterprises Inc.
- Fenske Printing Incorporated

Fenske Printing Incorporated has no reported releases or violations, and is upgradient of the target site. Tire Rama is listed in the EDR report with the same address as Hancock Properties. The Tire Rama property has no reported releases or violations; however, the Hancock Property is an adjoining property and it is considered a CREC for the target property because it has a past release of petroleum product that has been resolved and is located adjacent to the target property.

Computers4Kids is down-gradient from the target property and received violations in January 2011 for incorrect handling of oil in their generators, but achieved compliance in May and October of 2011. The Fenske Printing and Computers4Kids sites are not considered RECs for the target property.

<u>WQA Sites:</u> The EDR report listed nine WQA sites, which are regulated by the Water Quality Act and are addressed under the Groundwater Remediation Program. These sites are all over 500 feet from the target property and are therefore not considered RECs.

<u>EDR MGP Sites:</u> According to the EDR report, two sites were archived in the Manufactured Gas Plant Database within 1 mile of the target property. These sites are not considered RECs due to their distance (>500 ft) from the target property.

<u>EDR Historical Auto Sites:</u> The EDR report revealed 14 historic auto service sites within a ¼-mile of the target property. Of these, four sites are within 500 feet of the target property and are located at the following addresses:

- 2122 1st Ave N (aka: AAA Transmission Co. and AA Transmission)
- 2110 1st Ave N (aka: Rent-a-Wreck and Computers4Kids and Nuttree Enterprises)
- 2301 1st Ave N (aka: Don Lee Former Service Station)
- 2015 2nd Ave N (aka: Signs Etc. and Jem Properties 201)

As noted, each of these addresses is also known as a property name that has already been reviewed and discussed under previous headings in this section. None of the Historical Auto Sites are considered RECs for the target property for the reasons provided above.

<u>EDR Historical Dry Cleaners Sites:</u> The EDR report noted one historical dry cleaner site within ¼-mile of the target property. This site is not considered REC due to its distance (>500 ft) from the target property.

4.1.3 Orphan Properties

In addition to the sites described above (on-site and off-site), environmental regulatory database records identified two sites as "orphan" properties that could not be mapped by EDR, but are located outside the boundaries of the target property (**Appendix D**):

- USTFIELDS Project #4502 (LUST Database), with the location listed as 1st Ave South; and,
- Yale Oil of South Dakota (CERC-NFRAP Database), with the location listed as 1st Ave North.

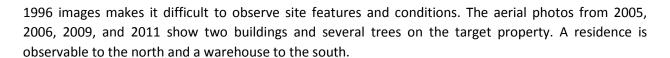
Based on the addresses given for each orphan property, neither of these sites is considered a REC for the target property due to their distances (> 500 feet) from the target property or their down-gradient location from the target property; however, because these sites were not mapped no definitive conclusion with respect to their potential to impact the target property is made.

4.2 HISTORICAL INFORMATION

Historical aerial photographs and Sanborn Fire Insurance Maps were requested from EDR. These historical sources are discussed below.

4.2.1 Historical Aerial Photographs

Reasonably ascertainable historical aerial photographs of the site and vicinity were reviewed from 1951, 1969, 1975, 1981, 1991, 1996, 2005, 2006, 2009 and 2011 (**Appendix E**). The resolution of images from 1951, 1969, 1975, 1981 are too low to readily observe site features and conditions. The image from 1991 shows two buildings and numerous trees located on the target property. The resolution of the



4.2.2 Historical Topographical Maps

Reasonably ascertainable historical USGS topographical maps of the site and vicinity were reviewed from 1893, 1956, 1969, and 1975 (**Appendix F**). The 1893 map shows the target property as undeveloped land with the railroad and Yellowstone River to the southeast. The 1956 and 1969 maps show the target property as part of the City of Billings, with stockyards, an oil refinery, oil tanks, power plant filtration plant, and Highway 87 to the southeast. The 1975 map shows these same features, with additional expansion of the oil refinery located to the southeast of the target property. These sites are not considered RECs due to their hydraulically downgradient distance (>1,000 ft) from the target property.

4.2.3 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps were produced to assist fire insurance companies with risk-related property issues, including the identification of building construction materials and flammable substances in urbanized areas (**Appendix G**). Sources of ignition, such as fuel storage tanks, were depicted in addition to the types of structures and available fire-fighting equipment.

The 1912 map shows two dwellings on the target property, with the Russell Lumber Company building located directly to the south and a coal yard located directly to the east. Dwellings are located to the north and west. The 1923 map shows the two dwellings on the target property with the Mason Lumber Company located to the south, a large building constructed to the east, a warehouse and trading company to the northeast, and dwellings to the north and the west. The 1948 and 1958 maps show two dwellings, two personal garages, and a woodworking shop on the target property. Mason Lumber is located to the south of the target property, and a large warehouse called Gamble and Skobmo is located to the east of the target property. A general storage warehouse is located to the north of the target property, and several dwellings are present to the west of the target property. To the north of the target property, several steel gasoline tanks and steel oil tanks and a pump house are located at 2123 2nd Ave. North (directly across 22nd Avenue North from the target property) along with a greasing and washing bay located on the south east portion of 2123 2nd Ave. North. The 1961, 1968, and 1969 maps show two dwellings, two personal garages, and a woodworking shop on the target property. A tire sales and service facility is located to the south of the target property. Gas and oil storage is shown to the southeast, and a tire warehouse is located directly to the east. Auto and general storage, oil and gas storage, and an auto repair shop are located to the north of the target property at 2123 2nd Ave. North. Numerous dwellings and a beer warehouse are located to the west.

The 1948, 1958, 1961, 1968, and 1969 Sanborn maps show former use of the property located north of the target property, directly across 2nd Avenue North (2123 2nd Ave. North), as a gas and oil storage, fueling, greasing and washing, and auto repair facility. The past use of this adjoining property, which is located upgradient to the target property, is considered a REC for the target property.

5.0 SITE VISIT

5.1 Methodology and Limiting Conditions

Mr. Brian Nickel of NewFields visited the target property on August 20, 2015 and was accompanied by Ms. Carol Kraft, property owner. A visual reconnaissance of the target property was performed by walking and making observations of the property. Photographs documenting property conditions observed during the site visit are included as **Appendix H**, with walkover notes included in **Appendix I**. The apartment located at 119½ North 22nd Street was inaccessible at the time the walkover was completed. NewFields makes no determination of environmental concerns with respect to the apartments located at 119½ North 22nd Street, and considers this a limiting condition for the site visit.

5.2 ON-SITE OBSERVATIONS

The topography at the target property was observed to be generally flat with a slight slope to the south towards the Yellowstone River. The target property is comprised of a two-story duplex located on the north parcel and an empty lot with areas of grass and dirt on the south parcel (**Appendix I**). The two-story duplex was reportedly constructed in 1910. Ms. Carol Kraft has owned the target property since 1998 and has utilized the duplex as a residential rental property.

The on-site duplex is serviced by city sewer and water. Overhead utility lines connect to the duplex on the eastern side of the property. The ceiling of the living room in the duplex has spray-on popcorn ceiling, which is considered suspect asbestos-containing material (ACM). Vinyl sheet flooring was also observed to be present in the interior of the building and is suspect ACM. A cellar was observed to the east of the duplex with an exterior entrance. No observations were noted in the cellar that would be considered a REC (**Appendix I**).

Based on observations made during the site visit and discussions with the property owner, no RECs were identified for the target property during the site visit. Although not a REC as defined in the standard, spray-on popcorn ceiling and vinyl sheet flooring were observed in the duplex located on the target property, and these materials may contain asbestos.

5.3 SURROUNDING PROPERTIES

Current surrounding property information is provided in **Section 2.2.1**.

6.0 INTERVIEWS

Ms. Carol Kraft, property owner, completed an owner questionnaire interview form on August 20, 2015. Information provided by Ms. Kraft is summarized below in **Section 7.0**.



Ms. Carol Kraft, property owner, completed an interview questionnaire regarding the current condition, history, and past uses of the target property. The completed interview questionnaire form is provided as **Appendix J**. Based on the interview responses, the following additional information was obtained:

- Ms. Kraft has owned the property since 1998.
- An environmental assessment was performed in May of 2014 on the residential structures that occupied 115 North 22nd Street (south parcel) before the structures were demolished in July 2014. An asbestos inspection was completed by Northern Industrial Hygiene (NIH), Inc. NIH concluded that asbestos was present (**Appendix C**) in the structure located at 115 North 22nd Street. Safetech, Inc. of Billings, Montana performed the ACM abatement prior to demolition of the building.
- To the owner's knowledge, there has never been any storage, use, or disposal of any petroleum or hazardous substances on the target property.

8.0 FINDINGS

The site visit, review of historical information and reports, interviews of people familiar with the target property, and review of Sanborn Fire Insurance Maps and regulatory agency files identified one REC and one CREC associated with the target property:

- The property located at 2123 2nd Avenue North is currently an auto glass shop (ZNG Glass), but Sanborn Maps dated from 1948, 1958, 1961, 1968, and 1969 show former use of this property as gasoline and oil storage, fueling, greasing and washing, and auto repair facility. The past use of this adjoining property located upgradient to the target property is considered a REC for the target property.
- The property located at 2123 1st Avenue North (Yellowstone Valley Brewing Company) was identified in the EDR report as a former, closed LUST site (Hancock Properties/Tire Rama) that has been addressed to the satisfaction of DEQ. Per the ASTM Phase I standard this facility is a CREC for the target property.
- Based on visual observations of the duplex made during the site reconnaissance, and its construction date (1910), asbestos-containing materials (ACM) and lead-based paint (LBP) may be present in the residential rental duplex located on the target property. These building materials do not fully meet the definition of a REC based on the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) definition of hazardous substances (42 U.S.C. 9601 (14)) but still present an environmental concern. NewFields acknowledges that suspect building materials may be present; however, the presence of ACM and LBP cannot be confirmed until an appropriate survey is completed.

9.0 DEVIATIONS

No deviations or deletions from ASTM E 1527-13 were made during preparation of this ESA.

10.0 ENVIRONMENTAL PROFESSIONAL STATEMENT & SIGNATURE

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in section 312.10 of 40 Code of Federal Regulations (CFR) 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Tyler Etzel

Senior Scientist

Chris Cerquone

Principal Environmental Scientist

11.0 REFERENCES

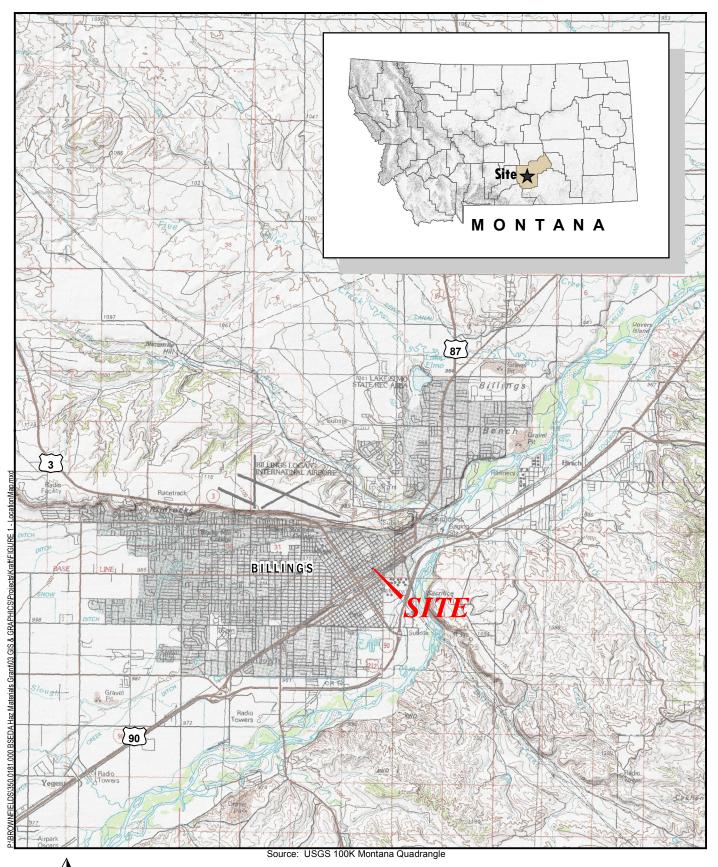
- **ASTM International (ASTM), 2013.** Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Standard No. E 1527-13. West Conshohocken, PA.
- Environmental Data Resources, Inc. (EDR), 2015. The EDR Radius Map[™] Report with GeoCheck[®]. Kraft Properties 115 N 22nd Street, Billings, Montana 59101. Inquiry number: 4387262.2s. August 18, 2015.
- Montana Bureau of Mines and Geology (MBMG), 2015. Ground Water Information Center (GWIC). Accessed September 2015 at http://mbmggwic.mtech.edu/ MBMG.
- Montana Cadastral Mapping Program (MCMP), 2015. Accessed September 2015 at http://svc.mt.gov/msl/mtcadastral.
- **Olsen, J.L., 2005**. Characterization of alluvial aquifers in Treasure and Yellowstone Counties, Middle Yellowstone River Area, Montana. Montana Bureau of Mines and Geology: Ground-Water Assessment Atlas 3B-03, 1 sheet, 1:50,000.
- **U.S. Department of Agriculture (USDA), 2015.** Web Soil Survey. Accessed September 2015 at http://websoilsurvey.ncrs.usda.gov/app/.





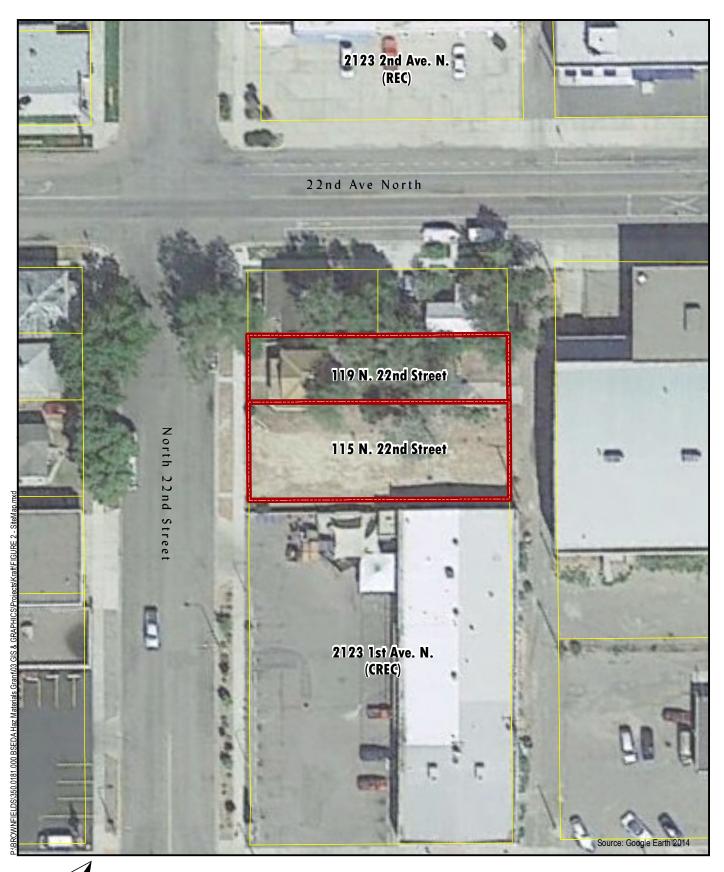
Billings, Montana

<u>FIGURES</u>

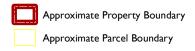




Location Map Kraft Properties 115 and 119 North 22nd St. Billings, Montana FIGURE 1







WELL LOG





Billings, Montana

<u>APPENDIX A</u>



Ground Water Information Center
Montana Bureau of Mines and Geology
Montana Tech of The University of Montana
1300 West Park Street - Natural Resources Building Room 329
Butte Montana 59701-8997
Ph: (406) 496-4336 Fx: (406) 496-4343

You are currently signed in. | 9/10/2015 Sign Out

| Home | Well Data | Reports | Data Coop | DrillerWeb | DNRC | Help! |

Menus: | Main | SWL | GWCP | Projects | Coal | Coal Quality | Geothermal

GWIC Data > Well Construction Data > Township: 01N Range: 26E Sec: 33

The following data were returned from the GWIC databases for the area you requested. For a more detailed description of the data view the GWIC Metadata report. If you notice data entry errors or have questions please let us know by sending us an Email at GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked Gwic Id for that well. Scroll to the right of your screen to view all the data. All data displayed on the screen may not show up when printed.

Re	trieval Statistics*		
Field	Max	Min	Avg
Total Depth (ft)	72.00	13.50	22.50
Static Water Level (ft)	20.00	7.00	12.37
Yield (gpm)	100.00	3.00	34.30

* These statistics do not take any geographic, topographic, or geologic factors into consideration. Negative swl values are reported for water levels that are above land surface.

Did you know about
Other GWIC data
Thanks, Just take me back to the menu.
Other MBMG data
MBMG has 529 publications available for BIG HORN county. MBMG has 427 publications available for YELLOWSTONE county. MBMG has 2 abandoned mine record(s) for this request area.

Gwic Id	PDF	DNRC WR	Site Name	Twn	Rng	Sec	Q Sec	Ver?	Туре	Td	Swl	Pwl	Rwl	Yield	Test	Date	Use
<u>11498</u>	_		BUFF JOHN B	01N	26E	33		No	WELL	24.00				49.00	PUMP	5/2/1973	DOMESTIC
140976	-		KOCH MATERIALS	01N	26E	33		No	WELL	19.00	8.00			20.00	AIR	5/28/1991	IRRIGATION
<u>11497</u>	-		KUHL SYDNEY M.	01N	26E	33		No	WELL	14.00	9.00	11.00		15.00	OTHER	5/10/1963	DOMESTIC
11499	_		LECHNER MARCUS J.	01N	26E	33		No	WELL	22.00	7.00	7.00		3.00	BAILER	6/1/1948	DOMESTIC
<u>11496</u>	-	C014534-00	MAHAN WAYNE	01N	26E	33		No	WELL	21.00	11.00	11.00		35.00	PUMP	5/27/1977	DOMESTIC
<u>191375</u>			WASHINGTON CORP * DOWN GRADIENT	01N	26E	33		No	WELL	22.50	13.90				OTHER	8/7/2001	MONITORING
<u>191374</u>			WASHINGTON CORP * U.S.T.	01N	26E	33		No	WELL	22.50	14.00				OTHER	8/7/2001	MONITORING
280922	-		BARRY O'LEARY, INC.	01N	26E	33	AA	No	WELL	20.00	20.00					11/26/2014	MONITORING
<u>11521</u>			ORCHOWSKI, FRANK	01N	26E	33	AAD	No	WELL	22.00	20.00			40.00	OTHER	1/1/1950	DOMESTIC
228979			STOCKTON OIL CO.	01N	26E	33	AC	No	WELL	20.00	13.00				OTHER	9/11/2006	MONITORING
<u>154330</u>	-		TOWN PUMP * MW-01	01N	26E	33	AC	No	WELL	22.00					OTHER	12/12/1995	DOMESTIC
<u>154379</u>	-		TOWN PUMP * MW-02	01N	26E	33	AC	No	WELL	21.00					OTHER	1/31/1996	MONITORING
<u>154382</u>	-		TOWN PUMP * MW-03	01N	26E	33	AC	No	WELL	20.00					OTHER	12/12/1995	MONITORING
<u>154385</u>	-		TOWN PUMP * MW-04	01N	26E	33	AC	No	WELL	21.00					OTHER	12/13/1995	MONITORING
<u>171820</u>	_		TOWN PUMP BILLINGS * 8305	01N	26E	33	AC	No	WELL	22.00					OTHER	4/28/1998	MONITORING
<u>171819</u>	-		TOWN PUMP BILLINGS * 8306	01N	26E	33	AC	No	WELL	22.00					OTHER	4/28/1998	MONITORING
<u>174981</u>			TOWN PUMP BILLINGS * 8307	01N	26E	33	AC	No	WELL	25.00					OTHER	4/28/1998	PUBLIC WATER SUPPLY
<u>157757</u>	-		TOWN PUMP BILLINGS * COMBO 1	01N	26E	33	AC	No	WELL	13.50					OTHER	6/26/1996	INJECTION
<u>157758</u>			TOWN PUMP BILLINGS * COMBO 2	01N	26E	33	AC	No	WELL	13.50					OTHER	6/26/1996	INJECTION
<u>157759</u>			TOWN PUMP BILLINGS * COMBO 3	01N	26E	33	AC	No	WELL	13.50					OTHER	6/26/1996	INJECTION
11500			WAGNER CARL	01N	26E	33	ACC	No	WELL	20.17	9.00	10.00		55.00	PUMP	3/19/1973	DOMESTIC

I	-															
<u>11501</u>	-	PARSHALL HUGH P.	01N	26E	33	AD	No	WELL	20.00	12.00			5.00	OTHER	7/1/1961	DOMESTIC
122061	-	PETES AUTOMATIC TRANSMISSION * DH-04	01N	26E	33	AD	No	WELL	19.00	8.00				OTHER	2/5/1990	MONITORING
282251	=	FIRST INTERSTATE BANK * MMW-1	01N	26E	33	BD	No	WELL	20.00	14.00					4/11/2015	MONITORING
282252	_	FIRST INTERSTATE BANK * MMW-2	01N	26E	33	BD	No	WELL	20.00	14.70					4/11/2015	MONITORING
282253	-	FIRST INTERSTATE BANK * MMW-3	01N	26E	33	BD	No	WELL	20.00	13.10					4/10/2015	MONITORING
282254	_	FIRST INTERSTATE BANK * MMW-4	01N	26E	33	BD	No	WELL	20.00	13.11					4/10/2015	MONITORING
282255	-	FIRST INTERSTATE BANK * MMW-5	01N	26E	33	BD	No	WELL	20.00	13.35					4/10/2015	MONITORING
<u>222061</u>		TOWN PUMP * M-08	01N	26E	33	BD	No	WELL	20.00	13.50				OTHER	10/4/2005	MONITORING
<u>191179</u>		WASHINGTON CORP. (MODERN MACHINERY) * UP GRADIENT	01N	26E	33	BD	No	WELL	22.50	13.90				OTHER	8/7/2001	MONITORING
<u>198253</u>		MODERN MACHINERY	01N	26E	33	BDD	No	WELL	22.00					OTHER	3/22/2002	MONITORING
<u>11502</u>	_	SCHOOL DISTRICT #2 (NORTH PARK SCHOOL)	01N	26E	33	BDD	No	WELL	31.00	13.00	17.20		40.00	PUMP	8/25/1983	IRRIGATION
11503	_	BAILEY C.E.	01N	26E	33	С	No	WELL	21.00	13.00			40.00	PUMP	7/7/1972	DOMESTIC
<u>252449</u>	1000	1ST INTERSTATE BANK	01N	26E	33	CA	No	WELL	26.00	16.00			45.00	AIR	6/11/2009	IRRIGATION
<u>252449</u>	1000	1ST INTERSTATE BANK	01N	26E	33	CA	No	WELL	26.00	16.00		16.00	45.00	PUMP	6/11/2009	IRRIGATION
212998	-	HILSENDEGER PATRICIA * MW- 01	01N	26E	33	CA	No	WELL	18.00	9.50				OTHER	7/21/2004	MONITORING
213000	-	HILSENDEGER PATRICIA * MW- 02	01N	26E	33	CA	No	WELL	18.00	9.50				OTHER	7/21/2004	MONITORING
<u>177380</u>	-	PUBLIC AUCTION YARDS * CS-04	01N	26E	33	CA	No	WELL	18.50	9.90				OTHER	6/19/1999	
<u>133634</u>		METZ C.B. & DOROTHY * MW- 01A	01N	26E	33	CAD	No	WELL	21.00	13.02				BAILER	11/2/1992	MONITORING
<u>133637</u>		METZ C.B. & DOROTHY * MW- 02	01N	26E	33	CAD	No	WELL	21.00	12.91				BAILER	11/2/1992	MONITORING
133642		METZ C.B. & DOROTHY * MW- 03	01N	26E	33	CAD	No	WELL	21.00	12.52				BAILER	11/2/1992	MONITORING
<u>247357</u>	-	BATERSLUB ROB	01N	26E	33	СВ	No	WELL	26.00	15.00		15.00	15.00	AIR	3/27/2008	IRRIGATION
<u>11504</u>		HUTZENBILER KARL J.	01N	26E	33	СВ	No	WELL	22.00	12.00	22.00		25.00	PUMP	7/13/1973	DOMESTIC
<u>11505</u>	-	BJORNSON WILLIAM	01N	26E	33	СВА	No	WELL	22.00	12.00	22.00		12.00	PUMP	7/16/1973	DOMESTIC
<u>11506</u>		SOLBERG BJARNE	01N	26E	33	СВА	No	WELL	25.00	12.00	24.00		20.00	PUMP	7/17/1973	DOMESTIC
208656		BILLINGS GREYHOUND BUS * MW-09	01N	26E	33	CC	No	WELL	18.50	10.58				OTHER	10/21/2003	MONITORING
208659		BILLINGS GREYHOUND BUS * MW-10	01N	26E	33	CC	No	WELL	18.60	11.00				OTHER	10/21/2003	MONITORING
208662			01N	26E	33	CC	No	WELL	17.50	11.50				OTHER	10/22/2003	MONITORING

			BILLINGS GREYHOUND BUS * MW-11														
<u>208665</u>	-		BILLINGS GREYHOUND BUS * MW-12	01N	26E	33	CC	No	WELL	18.70	11.33				OTHER	10/22/2003	MONITORING
<u>177382</u>	-		C&D WAREHOUSE * CS-03	01N	26E	33	CC	No	WELL	15.50	9.50				OTHER	6/19/1999	MONITORING
<u>256579</u>	-		GENERAL SERVICES ADMINISTRATION (GSA) * B-02	01N	26E	33	CC	No	WELL	40.00	14.90					5/24/2010	MONITORING
<u>256580</u>	_		GENERAL SERVICES ADMINISTRATION (GSA) * B-03	01N	26E	33	CC	No	WELL	25.00	14.90					5/25/2010	MONITORING
<u>256581</u>	_		GENERAL SERVICES ADMINISTRATION (GSA) * B-04	01N	26E	33	СС	No	WELL	25.00	15.00					5/25/2010	MONITORING
11507	-		LARSSON MRS L B	01N	26E	33	CC	No	WELL	17.00	13.00			35.00	OTHER	8/15/1960	DOMESTIC
<u>11508</u>		C014604-00	SMITH ELIZABETH	01N	26E	33	CC	No	WELL	20.00	14.80			35.00	PUMP	6/21/1977	DOMESTIC
<u>267400</u>	_		ARNDORFER, JULIE	01N	26E	33	CD	No	WELL	17.00	10.00					7/19/2012	MONITORING
<u>11509</u>	-	C002740-00	CITY OF BILLINGS	01N	26E	33	CD	No	WELL	26.00	13.00	21.00		80.00	OTHER	10/1/1973	IRRIGATION
278649	_		GREYHOUND LINES INC.	01N	26E	33	CD	No	WELL	17.00	10.00					6/11/2014	MONITORING
<u>278648</u>	=		GREYHOUND LINES INC.	01N	26E	33	CD	No	WELL	17.00	10.00					6/11/2014	MONITORING
227915	-		HILSENDEGER PATRICA * MW-03	01N	26E	33	CD	No	WELL	18.00	9.84				OTHER	8/9/2006	MONITORING
<u>235349</u>	_		KING RESOURCES * MW07-01	01N	26E	33	CD	No	WELL	20.00	12.70					3/28/2007	MONITORING
<u>235348</u>	-		KING RESOURCES * MW07-02	01N	26E	33	CD	No	WELL	20.00	12.50					3/28/2007	MONITORING
<u>235347</u>			KING RESOURCES * MW07-03	01N	26E	33	CD	No	WELL	20.00	13.00					3/27/2007	MONITORING
235345	_		KING RESOURCES * MW07-04	01N	26E	33	CD	No	WELL	20.00	13.00					3/27/2007	MONITORING
<u>258251</u>			WAITER, DELBERT	01N	26E	33	CDD	No	WELL	59.00	17.00		17.00	100.00	AIR	5/28/2010	DOMESTIC
<u>271715</u>	_		PERMIER HOLDINGS	01N	26E	33	DA	No	WELL	18.00	11.00					2/1/2013	MONITORING
<u>271713</u>			PREMIER HOLDINGS	01N	26E	33	DA	No	WELL	18.00	11.00					2/1/2013	MONITORING
238985	-		BLESKIN PETE * MW07-01	01N	26E	33	DB	No	WELL	20.00	12.50					9/14/2007	MONITORING
238986	-		BLESKIN PETE * MW07-02	01N	26E	33	DB	No	WELL	20.00	12.00					9/14/2007	MONITORING
<u>238987</u>	_		BLESKIN PETE * MW07-03	01N	26E	33	DB	No	WELL	20.00	12.00					9/14/2007	MONITORING
222210	_		BILLINGS GREYHOUND BUS * 01	01N	26E	33	DC	No	WELL	23.60	11.00				OTHER	5/17/2005	MONITORING
222212	==		GREYHOUND BUS BILLINGS * 02	01N	26E	33	DC	No	WELL	24.00	11.00				OTHER	5/18/2005	MONITORING
<u>11510</u>			WILCOXSON'S ICE CREAM & CANDY CO	01N	26E	33	DCBA	No	WELL	22.00	9.00	14.00		15.00	OTHER	1/26/1959	INDUSTRIAL
<u>181412</u>			CONOCO INC * RW-A	01N	26E	33	DCD	No	WELL						OTHER	10/15/1999	
204925			PELICAN CONNIE * PO-01	01N	26E	33	DD	No	WELL	20.50	10.00				OTHER	8/25/2003	MONITORING

204928	灵	PELICAN CONNIE * PO-02	01N	26E	33	DD	No	WELL	20.50	12.00				OTHER	8/26/2003	MONITORING
204929	茂	PELICAN CONNIE * PO-03	01N	26E	33	DD	No	WELL	20.50	10.00				OTHER	8/26/2003	MONITORING
204930		PELICAN CONNIE * PO-04	01N	26E	33	DD	No	WELL	20.50	12.00				OTHER	8/25/2003	MONITORING
205502	区	PELICAN CONNIE * PO-05	01N	26E	33	DD	No	WELL	20.50	11.00				OTHER	8/26/2003	MONITORING
<u>177381</u>	灵	CONOCO	01N	26E	33	DDB	No	WELL	20.50	10.25				OTHER	6/24/1999	
<u>181411</u>	瓦	CONOCO INC * RW-C	01N	26E	33	DDB	No	WELL						OTHER	10/15/1999	
<u>181040</u>		SUNWALL BRUCE	01N	26E	33	DDC	No	WELL	72.00	18.00	38.00	18.00	25.00	PUMP	1/26/2000	DOMESTIC
<u>181040</u>	龙	SUNWALL BRUCE	01N	26E	33	DDC	No	WELL	72.00	18.00			35.00	AIR	1/26/2000	DOMESTIC
129568	围	BILLINGS REFINERY * OR- 05	01N	26E	33	DDD	No	WELL	22.00	10.50				OTHER	3/12/1991	MONITORING

End of Report. 84 record(s) listed.

¹This report is restricted to site types of WELL, BOREHOLE, SPRING, COAL BED METHANE WELL, PETWELL, PIEZOMETER.

2A single well record (a distinct GWIC ld) may be represented by more than one line in this report if more than one performance test was conducted on the well at the time of drilling.

Explanation of Columns:

GWIC Id = Key field for the GWIC database. Links to one page reports.

PDF = Are scanned documents available through the Document Manager?

- Z = Yes, click on the icon to download the PDF file.
- Section = No, well was submitted electronically. No paper record exists.
- = No, record does have a known well log but it is not scanned yet.
- = No, record may or may not have a document to scan. Metadata is unclear.
- S = No, record was created from a source other than a well log. No paper record exists.

DNRC WR = Water right number assigned to this site by Department of Natural Resources and Conservation.

Site Name = Current owner name assigned to GWIC record.

Location = Location of site in Montana township, range, section, and quarter-section coordinates.

Ver? = Has this location been verified by field staff?

Type = Type of site assigned to GWIC record.

Td = Total depth of well in feet below ground.

SwI = Static water level in feet above/below ground - Negative values are reported for water levels that are above land surface.

Pwl = Pumping water level in feet below ground.

Rwl = Recovery water level in feet below ground.

Yield = Yield in gallons per minute.

Test = Type of performance test reported.

Date = Completion date of well/borehole.

Use = Reported use of water.

Disclaimer:

The preceding materials represent the contents of the GWIC databases at the Montana Bureau of Mines and Geology at the time and date of the retrieval. The information is considered unpublished and is subject to correction and review on a daily basis. The Bureau warrants the accurate transmission of the data to the original end user at the time and date of the retrieval [9/10/2015 2:57:06 PM]. Retransmission of the data to other users is discouraged and the Bureau claims no responsibility if the material is retransmitted. There may be wells in the request area that are not recorded at the Information Center.

> Ground Water Information Center Online © 1998 - 2015 Staff | Privacy Statement

CADASTRAL PROPERTY REPORT CARD





Billings, Montana

<u>APPENDIX B</u>

Property Record Card

Summary

Primary Information

Property Category: RP Subcategory: Real Property
Geocode: 03-1033-33-3-19-06-0000

Primary Owner: PropertyAddress: 115 N 22ND ST

CAROL KRAFT LIVING TRUST BILLINGS, MT 59101

PO BOX 533 COS Parcel:

BILLINGS, MT 59103-0533

NOTE: See the Owner tab for all owner information

Certificate of Survey:

Subdivision: BILLINGS ORIGINAL TOWNSITE

Legal Description:

BILLINGS ORIGINAL TOWNSITE, S33, T01 N, R26 E, BLOCK 86, Lot 16 - 17

Last Modified: 8/24/2015 7:16:49 PM General Property Information

Neighborhood: 400 Property Type: RU - Residential Urban

Living Units: 1 Levy District: 03-0965T4-2T4

Zoning: Cl Ownership %: 100

Linked Property:

No linked properties exist for this property

Exemptions:

Exemption Type	TIF Number
Tax Increment Financing District	03TU04

Condo Ownership:

General: 0 Limited: 0

Property Factors

Topography: 1Fronting: 4 - Residential StreetUtilities: 1, 4, 9Parking Type: 2 - On StreetAccess: 1Parking Quantity: 1 - MinimumLocation: 5 - Neighborhood or SpotParking Proximity: 3 - On Site

Land Summary

Land Type	Acres	Value
Grazing	0.000	00.00
Fallow	0.000	00.00
Irrigated	0.000	00.00
Continuous Crop	0.000	00.00
Wild Hay	0.000	00.00
Farmsite	0.000	00.00
ROW	0.000	00.00
NonQual Land	0.000	00.00
Total Ag Land	0.000	00.00
Total Forest Land	0.000	00.00
Total Market Land	0.161	27,300.00

Deed Information:

Deed Date	Book	Page	Recorded Date	Document Number	Document Type	
1/24/2014			2/4/2014	3697078	Warranty Deed	

Owners

Party #1

Default Information: CAROL KRAFT LIVING TRUST

PO BOX 533

Ownership %: 100
Primary Owner: "Yes"
Interest Type: Fee Simple

Last Modified: 12/24/2012 11:45:01 AM

Other Names Other Addresses

Name Type

KRAFT, CAROL TRUSTEE L Additional Legal Owners No other address

Appraisals

Appraisal History

Tax Year	Land Value	Building Value	Total Value	Method
2015	27300	O O	27300	COST
2014	21700	18419	40119	COST
2013	21700	34455	56155	COST

Market Land

Market Land Item #1

Method: Sqft Type: 1 - Primary Site

Width: Depth: Square Feet: 7,000 Acres:

Valuation

Class Code: 2201 Value: 27300

Dwellings

Existing Dwellings

No dwellings exist for this parcel

Other Buildings/Improvements

Outbuilding/Yard Improvements

No other buildings or yard improvements exist for this parcel

Commercial

Existing Commercial Buildings

No commercial buildings exist for this parcel

Ag/Forest Land

Ag/Forest Land

No ag/forest land exists for this parcel

Property Record Card

Summary

Primary Information

Property Category: RP Subcategory: Real Property

Geocode: 03-1033-33-3-19-05-0000

Primary Owner: PropertyAddress: 119 N 22ND ST

CAROL KRAFT LIVING TRUST BILLINGS, MT 59101

PO BOX 533 COS Parcel:

BILLINGS, MT 59103-0533

NOTE: See the Owner tab for all owner information

Certificate of Survey:

Subdivision: BILLINGS ORIGINAL TOWNSITE

Legal Description:

BILLINGS ORIGINAL TOWNSITE, S33, T01 N, R26 E, BLOCK 86, Lot 14 - 15, S2 LT 14

Last Modified: 8/24/2015 7:16:47 PM General Property Information

Neighborhood: 400 Property Type: RU - Residential Urban

Living Units: 1 Levy District: 03-0965T4-2T4

Zoning: Cl Ownership %: 100

Linked Property:

No linked properties exist for this property

Exemptions:

Exemption Type	TIF Number
Tax Increment Financing District	03TU04

Condo Ownership:

General: 0 Limited: 0

Property Factors

Topography: 1 Fronting: 4 - Residential Street

Utilities: 1,4,9 Parking Type: 3 - On and Off Street

Access: 1 Parking Quantity: 2 - Adequate

Location: 5 - Neighborhood or Spot Parking Proximity: 3 - On Site

Land Summary

Land Type	Acres	<u>Value</u>
Grazing	0.000	00.00
Fallow	0.000	00.00
Irrigated	0.000	00.00
Continuous Crop	0.000	00.00
Wild Hay	0.000	00.00
Farmsite	0.000	00.00
ROW	0.000	00.00
NonQual Land	0.000	00.00
Total Ag Land	0.000	00.00
Total Forest Land	0.000	00.00
Total Market Land	0.121	26,863.00

Deed Information:

Deed Date	Book	Page	Recorded Date	Document Number	Document Type
10/22/1998	0030	23813			
6/7/1995	0017	86383			
			10/16/2008	3483396	Warranty Deed
			4/9/2009	3502293	Warranty Deed

Owners

Party #1

Default Information: CAROL KRAFT LIVING TRUST

PO BOX 533

Ownership %: 100
Primary Owner: "Yes"
Interest Type: Conversion

Last Modified: 12/24/2012 11:45:01 AM

Other Names Other Addresses

Name Type

KRAFT, CAROL TRUSTEE L Additional Legal Owners No other address

Appraisals

Appraisal History

Tax Year	Land Value	Building Value	Total Value	Method
2015	26863	75737	102600	MKT
2014	20738	66862	87600	MKT
2013	20738	66862	87600	MKT

Market Land

Market Land Item #1

Method: Sqft Type: 1 - Primary Site

Width: Depth: Square Feet: 5,250 Acres:

Valuation

Class Code: 2201 Value: 26863

Dwellings

Existing Dwellings

Dwelling Type	Style	Year Built
SFR	09 - Bungalow	1910

Dwelling Information

Residential Type: SFR Style: 09 - Bungalow

Year Built: 1910 Roof Material: 1 - Wood Shingle

Effective Year: 1960 Roof Type: 2 - Hip Story Height: 1.0 Attic Type: 3

Grade: 4 Exterior Walls: 1 - Frame

Class Code: 3501 Exterior Wall Finish: 5 - Maintenance Free Aluminum/Vinyl/Steel

Year Remodeled: 0 Degree Remodeled:

Mobile Home Details

Manufacturer: Serial #: Width: 0
Model: Length: 0

Basement Information

Foundation: 2 - Concrete Finished Area: 0 Daylight: N

Basement Type: 3 - Full Quality:

Heating/Cooling Information

Type: Central System Type: 5 - Forced Air

Fuel Type: 3 - Gas Heated Area: 0

Living Accomodations

Bedrooms: 2 Full Baths: 2 Addl Fixtures: 3

Family Rooms: 0 Half Baths: 0

Additional Information

Fireplaces: Stacks: 0 Stories:

Garage Capacity: 0 Cost & Design: 0 Prefab/Stove: 0
% Complete: 0 Description: Description:

Dwelling Amenities

View: Access:

Area Used In Cost

Basement: 280 Additional Floors: 0 Attic: 270

First Floor: 908 Half Story: 0 Unfinished Area: 0

Second Floor: 0 SFLA: 1178

Depreciation Information

CDU: Physical Condition: Fair (6) Utility: Fair (6)

Desirability: Property: Fair (6)

Location: Fair (6)

Depreciation Calculation

Age: 54 **Pct Good:** 0.52 **RCNLD:** 51490

Additions / Other Features

Additions

Lower	First	Second	Third	Area	Year	Cost
	14 - Porch, Frame, Enclosed			40	0	1709
	11 - Porch, Frame, Open			126	0	2761

There are no other features for this dwelling

Other Buildings/Improvements

Outbuilding/Yard Improvement #1

Type: Residential Description: RPA2 - Concrete

Quantity: 1 Year Built: 1910 Grade: A

Condition: Functional: Class Code: 3501

Dimensions

Width/Diameter: Length: Size/Area: 220
Height: Bushels: Circumference:

Commercial

Existing Commercial Buildings

No commercial buildings exist for this parcel

Ag/Forest Land

Ag/Forest Land

No ag/forest land exists for this parcel

NORTHERN INDUSTRIAL HYGIENE, INC. ASBESTOS REPORT





Billings, Montana

<u>APPENDIX C</u>



201 S. 30th Street Billings, Montana 59101 Phone: 406/245-7766

FAX: 406/254-1428

May 12, 2014

Ms. Carol Kraft 115 North 22nd Street Billings, Montana 59101

RE: Letter Report

Full Asbestos Inspection

Residence at 115 North 22nd Street

Billings, Montana

Northern Project Number 999-2554

Dear Ms. Kraft:

This letter report provides the summarized results of the asbestos inspection performed by Kari Taylor (MTA-4281) of Northern Industrial Hygiene, Inc. (Northern) on April 29, 2014, at the above referenced site. The inspection was performed to identify potential hazardous materials that may be present throughout the interior and exterior of the buildings. This inspection included the loft/garage and the residence. The roof of the residence and loft/garage was also inspected during the site visit.

Overview of Buildings

Loft/Garage

The building is a two story residential building that has approximately 672 square feet in size. The bottom half of the structure is a garage and the top half is a living quarter.

Typical building materials include concrete or carpet floor finishes, plaster wall finishes, and 12" x 12" wood tile and plaster ceiling finishes. Walls and ceilings are further finished with a troweled texture or sandy texture.

Residence

The structure inspected is a single level residential home with a basement/crawlspace that was built in 1904. The structure has approximately 962 square feet of interior space and is heated by a fireplace and a forced air furnace. The residence has an asphalt shingle roof.

Typical building materials include carpet and vinyl sheet floor finishes, gypsum board and plaster wall finishes, and 12" x 12" wood tile and plaster ceiling finishes. The plaster around the fireplace is further finished with a surfacing material.

Asbestos Overview

Asbestos is a trade name for a group of fibrous naturally occurring minerals that were used widely in building materials because of its ability to bind, resist chemicals, insulate, and fireproof. Exposure to elevated levels of asbestos fibers has been documented to cause a variety of diseases including asbestosis and cancer. Consequently, the application, removal, and disposal of asbestos-containing materials are regulated by several agencies.

Asbestos in most building materials poses little threat to human health as long as the asbestos fibers are securely bound within the building material. However, as the materials deteriorate because of time or exposure, or are disturbed because of human or other activities, the potential increases for the fibers to become airborne. When this occurs, the risk to human health increases significantly when the fibers are inhaled.

One definition for asbestos-containing building materials (ACBM), found in Environmental Protection Agency (EPA) regulations, (40 CFR, Part 763 - Asbestos Model Accreditation Plan and Section 202, Toxic Substance Control Act) is as follows:

 Friable asbestos-containing material containing more than one percent asbestos, which has been applied on ceilings, walls, structural members, piping, duct work, or any other part of a building, which when dry, may be crumbled, pulverized, or reduced to powder by hand pressure. The term includes non-friable asbestoscontaining materials after it becomes damaged, by any means, such that when dry, it may be crumbled, pulverized, or reduced to powder by hand-pressure. This definition also includes flooring materials.

Another definition, found in Occupational Safety and Health Administration (OSHA) regulations, (29 CFR Parts 1910 and 1926) is slightly different as follows:

Asbestos-containing materials are defined as being any material that contains more
than one percent asbestos and also defines certain high-risk materials, which are
presumed to contain asbestos, as Presumed Asbestos-containing Materials
(PACM). The PACM designation applies to thermal system insulation, sprayed on
or troweled on surfacing material and debris where such material is present. The
PACM terminology was added to ensure compliance with the hazard communication
provisions of the laws and specifically for buildings constructed prior to 1980.

Inspection Procedures

Asbestos Sampling Procedures

The asbestos survey was performed using the applicable portions of the currently recognized standard protocol developed for schools under AHERA, as promulgated in Title 40, Code of Federal Regulations (40 CFR), Part 763 and as amended in the Federal

Register. Since the primary concern for this investigation was to identify potential asbestos hazards in the entire building, Northern representatives visually inspected existing conditions considering each construction, addition, or renovation date as separate, unique buildings, if applicable.

Laboratory Analysis of Bulk Asbestos Samples

Bulk samples obtained during the inspection were assigned bulk sample numbers and entered on sample summary/chain-of-custody forms. The samples were transported to the laboratory by overnight courier under standard chain-of-custody procedures. The analysis was performed in accordance with EPA Method 600/R-93/116, which employs polarized light microscopic techniques with dispersion staining for identification of mineral forms of asbestos. The quantification of asbestos in the sample is intended to be an estimate only and the limit of detection for this method is approximately 1% by volume.

Inspection Findings

Asbestos

Loft/Garage

A total of seven building materials suspected to contain asbestos were identified in the loft/garage. Upon closer inspection two materials were determined not to be suspect for the presence of asbestos. These materials are the fiberglass insulation throughout the loft and the 12" x 12" wood ceiling tiles. The brown asphalt shingles were put on the roof the same time as the residence and it was non-detect.

The remaining four materials were sampled following sample collection requirements outlined under the EPA, AHERA legislation and State of Montana regulations. Laboratory results revealed that none of the sampled materials contain asbestos.

For additional information refer to Tables 1A and 2A and the attached laboratory reports.

Residence

A total of eleven building materials suspected to contain asbestos were identified in the structure. Upon closer inspection two materials were determined not to be suspect for the presence of asbestos. These materials are fiberglass batt insulation and the 12" x 12" wood ceiling tiles.

The remaining seven materials were sampled following sample collection requirements outlined under the EPA, AHERA legislation and State of Montana regulations. Laboratory results revealed that two of the sampled materials contains <1% asbestos. The materials

confirmed to contain asbestos are:

M3.1 Gypsum board (<1% Chrysotile) and S1.1 Cake-on surfacing (<1% Chrysotile).

For additional information refer to Tables 1B and 2B and the attached laboratory reports.

Conclusions and Recommendations

Asbestos

Less than 1% asbestos was detected in the gypsum board wall and ceiling system and the caked-on surfacing. This material is not considered to be an asbestos-containing material by State, EPA and OSHA definition however other OSHA regulations regarding potential worker exposure to asbestos fibers apply during renovation or demolition activities. Specifically OSHA requires that wet removal methods be employed to control employee exposures except where such methods would be infeasible because of electrical hazards or equipment malfunction. EPA regulations do not require these materials to be disposed of as asbestos-containing waste.

Limitations

This asbestos inspection survey report was prepared based on information obtained during our on-site observations data as well as the laboratory results of bulk samples of building materials collected during the survey. The conclusions of this report are professional opinions based solely upon review of previously collected data, our visual site observations and interpretations of laboratory analyses and field data as described in our report.

This report has been prepared to provide information concerning the various types and estimated quantities of asbestos-containing materials present at this site. It includes only those materials that were visible and accessible at the time of our inspection. We did not remove any permanent building enclosures or disassemble any equipment.

This inspection report is intended to identify asbestos-containing materials. It is not intended to be used for the purpose of obtaining bids for their removal by abatement contractors. The scope of services performed by Northern may not be appropriate to satisfy the needs of other users, and any use or re-use of this document, or the findings presented herein, is at the sole risk of the user.

Our opinions are intended exclusively for use by the homeowner. The opinions presented herein apply to the site conditions existing at the time of our investigation. Therefore, our opinions and recommendations may not apply to future conditions that may exist at the

site that we have not had the opportunity to evaluate.

We trust this summary report provides sufficient information for planning purposes. We appreciate the opportunity to assist you and look forward to continuing to work with you. It was a pleasure to assist you with this project. Please call if you have any questions on our report, or if you need any additional assistance.

Respectfully submitted,

NORTHERN INDUSTRIAL HYGIENE, INC.

Kari Taylor

Kari Taylor, Asbestos Inspector

Attachments: Tables 1A-1B

Laboratory Analysis Report

Inspector Credentials

Invoice

TABLE 1A SUMMARY OF MATERIALS SUSPECTED TO CONTAIN ASBESTOS AND LABORATORY RESULTS

Loft/Garage Residence at 115 North 22nd Billings, Montana

Material Number	Material Description	Material Locations	Laboratory Results
M1.1	Brown asphalt shingles (assumed)	Exterior roof	(Assumed)
M6.1	12" x 12" wood ceiling tiles	Living room	NS
M7.1	Plaster	Throughout loft section	ND
M16.1	Concrete	Garage (below loft)	ND
M16.2	Fiberglass insulation	Throughout loft/garage	NS
S1.1 Trowled on texture		Living room and dining room	ND
S1.2	Sandy texture	Bedroom and bathroom	ND

NS = Material Not Sampled

ND = No Asbestos Detected

Confirmed Asbestos-Containing Materials Shown in Bold Type

TABLE 1B SUMMARY OF MATERIALS SUSPECTED TO CONTAIN ASBESTOS AND LABORATORY RESULTS

Residence

Residence at 115 North 22nd Billings, Montana

Material Number	Material Description	Material Locations	Laboratory Results
F1.1	White with black spots vinyl sheet on counter	Kitchen counter	ND
F1.2	Tan marbled vinyl sheet flooring	Dining room	ND
M1.1	Brown asphalt shingles	Exterior roof	ND
M3.1	Gypsum board	Dining room	<1% Chrysotile
M6.1	12" x 12" smooth ceiling tiles	Bathroom	NS
M7.1	Plaster	Throughout residence	ND
M16.1 Red siding felt		Under exterior siding	ND
M16.2	Black siding felt	Under exterior siding	ND
M16.3	Concrete	Foundation/Basement	ND
M16.4	Fiberglass insulation	Throughout residence	NS
S1.1	Caked-on Surfacing	Living room fireplace	<1% Chrysotile

NS = Material Not Sampled

ND = No Asbestos Detected

Confirmed Asbestos-Containing Materials Shown in Bold Type



> EMAIL: jcummings@bridgeband.com NVLAP Lab Code: 200511-0

5/9/2014

Kari Taylor Northern Industrial Hygiene, Inc. 201 South 30th Street Billings, MT 59101-

RE: Bulk Asbestos Fiber Analysis; Batch # 14-00501 Project Location 115 N 22nd. MT. Residence

Dear Kari Taylor,

Thank you for choosing Northern Industrial Hygiene, Inc. as your laboratory. Enclosed you will find analytical results for the bulk samples submitted to the laboratory.

Northern Industrial Hygiene is accredited by NVLAP Lab Code: 200511-0. Accreditation by NVLAP does not indicate endorsement by NVLAP or any other government agency. All bulk samples are analyzed in accordance with U.S. EPA Method -600/M4-82-020, December 1982 and EPA Method 600/R-93-116, July 1993. "Method for Determination of Asbestos in Bulk Building Materials" (NESHAP, 40 CFR-Part 61) protocol.

Analysis is cross checked through our inter or intra laboratory quality assurance program for verification. The percent values reported are based on calibrated visual estimates by volume unless verification by Point Count is indicated. Test results reported relate only to the samples submitted by the customer to Northern Industrial Hygiene, Inc. Trace amounts of asbestos are below the limit of detection and asbestos fibers with diameters below approximately 0.25 micrometers are not detectable with the Polarized Light Microscopy (PLM) analytical procedure. A trace amount of asbestos is defined as one to five fibers in three slide mounts. Asbestos found in this amount will be reported as "< 1.0%" by PLM analysis.

This report is highly confidential and shall not be reproduced without your written approval and the written approval of Northern Industrial Hygiene, Inc.

Samples are archived for thirty (30) days following analysis. Please contact us if samples need to be archived longer than the standard holding time.

Thank you for using Northern Industrial Hygiene, Inc. If you have any guestions or concerns please contact us.

Sincerely.

Jude Cummings

Laboratory Manager/Analyst

Enclosure: Bulk Sample Results



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.NIH Batch Number:14-00501201 South 30th StreetClient Job Number:999-2554Billings, MT 59101-Turn Around Time:5 DayProject Location:115 N 22nd, MT, ResidenceSamples Analyzed:13

Client Sample Number: F1.1 Lab Sample Number: 14-00501.0001

Client Sample Description: White w/ Black Spots Vinyl
Client Sample Location: Kitchen on Counter

Sample Comments: Checked If Sample Not Analyzed

Layer 1 White coating on brown fibrous brittle compressed material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components: Non-Fibrous Components: 20% Filler and Binder

10% Coating

Comments: Materials distinguishable but inseparable

Layer 2 Brown opaque mastic

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components: 98% Filler and Binder

Client Sample Number: F1.2 Lab Sample Number: 14-00501.0002

Client Sample Description: Tan Marbled Vinyl Flooring

Client Sample Location: Dining Room

Sample Comments: Materials distinguishable but inseparable Checked If Sample Not Analyzed

Tan vinyl with gold squares vinyl with black fibrous backing and white residue

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 20% Cellulose 10% Filler and Binder

30% Asphalt Filler and Binder40% Vinyl Filler and Binder

Client Sample Number: M1.1 Lab Sample Number: 14-00501.0003

Client Sample Description: Brown Asphalt Shingles

Client Sample Location: Exterior

Sample Comments: Checked If Sample Not Analyzed ☐

Brown pebbles on black fibrous asphalt

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 12% Fiberglass 35% Aggregate

53% Asphalt Filler and Binder

(Sample results continued on next page.)

 Sampled by:
 Kari Taylor
 4/29/2014

 Received by:
 Fermin Uribe
 5/6/2014

 Reviewed by:
 Jude Cummings
 5/9/2014

Jude Curry



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.NIH Batch Number:14-00501201 South 30th StreetClient Job Number:999-2554Billings, MT 59101-Turn Around Time:5 DayProject Location:115 N 22nd, MT, ResidenceSamples Analyzed:13

Client Sample Number: M3.1 Lab Sample Number: 14-00501.0004

Client Sample Description: Gypsum Board
Client Sample Location: Dining Room

Sample Comments: Checked If Sample Not Analyzed

Layer 1 White paint on white compressed powdery material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

Chrysotile Asbestos <1% 1% Cellulose 10% Paint

89% Filler and Binder

Comments: Verified by the NESHAP Point Count, 0.50% Chrysotile

Asbestos

Layer 2 White papery on white compressed powdery material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Comp

Layer 3 Brown papery on white compressed powdery material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components: 70% Filler and Binder

Comments: Materials distinguishable but inseparable

Layer 4 Composite of layers 1, 2 and 3

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

Chrysotile Asbestos <1% 35% Cellulose 2% Paint

63% Filler and Binder

Client Sample Number: M7.1A Lab Sample Number: 14-00501.0005

Client Sample Description: Plaster
Client Sample Location: Living Room

Sample Comments: Checked If Sample Not Analyzed [

(Sample results continued on next page.)

 Sampled by:
 Kari Taylor
 4/29/2014

 Received by:
 Fermin Uribe
 5/6/2014

 Reviewed by:
 Jude Cummings
 5/9/2014

Jude Curry



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.NIH Batch Number:14-00501201 South 30th StreetClient Job Number:999-2554Billings, MT 59101-Turn Around Time:5 DayProject Location:115 N 22nd, MT, ResidenceSamples Analyzed:13

Layer 1 White gritty compressed material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected

60% Fine Grains
40% Filler and Binder

Layer 2 Gray gritty compressed material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected

65% Aggregate

35% Filler and Binder

Client Sample Number: M7.1B Lab Sample Number: 14-00501.0006

Client Sample Description: Plaster
Client Sample Location: Living Room

Sample Comments: Checked If Sample Not Analyzed

☐

Layer 1 White gritty compressed material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected

65% Aggregate

35% Filler and Binder

Layer 2 Medium brown compressed fibers

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 92% Cellulose 8% Filler and Binder

Client Sample Number: M7.1C Lab Sample Number: 14-00501.0007

Client Sample Description: Plaster
Client Sample Location: Dining Room

Sample Comments: Checked If Sample Not Analyzed ☐

Layer 1 White gritty compressed material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 65% Aggregate

35% Filler and Binder

Layer 2 Medium brown compressed fibers

Reviewed by: Jude Cummings

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 90% Cellulose 10% Filler and Binder

5/9/2014

(Sample results continued on next page.)

Sampled by: Kari Taylor 4/29/2014 Received by: Fermin Uribe 5/6/2014

Jude Cummings, Laboratory Manager/Analy



NVLAP Lab Code: 200511-0

Lab Sample Number: 14-00501.0008

Lab Sample Number: 14-00501.0009

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.NIH Batch Number:14-00501201 South 30th StreetClient Job Number:999-2554Billings, MT 59101-Turn Around Time:5 DayProject Location:115 N 22nd, MT, ResidenceSamples Analyzed:13

Client Sample Number: M16.1

Client Sample Description: Red Siding Felt

Client Sample Location: Exterior

Sample Comments: Checked If Sample Not Analyzed

Reddish-brown and tan fibrous material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components: 8% Filler and Binder

Client Sample Number: M16.2

Client Sample Description: Black Siding Felt

Client Sample Location: Exterior

Sample Comments: Checked If Sample Not Analyzed

☐

Black fibrous asphalt

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 45% Cellulose 55% Asphalt Filler and Binder

Client Sample Number: M16.3 Lab Sample Number: 14-00501.0010

Client Sample Description: Concrete
Client Sample Location: Basement

Sample Comments: Checked If Sample Not Analyzed

☐

Off-white gritty mterial

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected

75% Aggregate

25% Filler and Binder

Client Sample Number: \$1.1A Lab Sample Number: 14-00501.0011

Client Sample Description: Caked-on Surfacing
Client Sample Location: Living Room - Fireplace

Sample Comments: Materials distinguishable but inseparable Checked If Sample Not Analyzed

Whie paint with white powdery residue

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 60% Paint

40% Filler and Binder

(Sample results continued on next page.)

 Sampled by:
 Kari Taylor
 4/29/2014

 Received by:
 Fermin Uribe
 5/6/2014

 Reviewed by:
 Jude Cummings
 5/9/2014

Jude Curry



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.NIH Batch Number:14-00501201 South 30th StreetClient Job Number:999-2554Billings, MT 59101-Turn Around Time:5 DayProject Location:115 N 22nd, MT, ResidenceSamples Analyzed:13

Client Sample Number: \$1.1B Lab Sample Number: 14-00501.0012

Client Sample Description: Caked-on Surfacing
Client Sample Location: Living Room - Fireplace

Sample Comments: Materials distinguishable but inseparable Checked If Sample Not Analyzed

Chunks of white and green paint with white and off-white powdery material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

Chrysotile Asbestos <1% 2% Cellulose 30% Paint

68% Filler and Binder

Client Sample Number: \$1.1C Lab Sample Number: 14-00501.0013

Client Sample Description: Caked on Surfacing
Client Sample Location: Living Room - Fireplace

Sample Comments: Materials distinguishable but inseparable Checked If Sample Not Analyzed

White and green paint with white and off-white compressed powdery material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

Chrysotile Asbestos <1% 1% Cellulose 35% Paint

64% Filler and Binder

Sampled by: Kari Taylor 4/29/2014
Received by: Fermin Uribe 5/6/2014

Reviewed by: Jude Cummings 5/9/2014

Jude Currys

Chain of Custody

Northern Industrial Hygiene, Inc.

2. South 30th Street Billings, MT 59101-2054 Phone: (406) 245-7766

For lab use only:

Fax: (406) 254-1428 E-mail: ktaylor@bridgeband.com

Inspector/Contact: Kari Taylor

M.	
In June	1
Reside	

NVL

_/	AP Lab Code: 200511-0
	NIH Lab Batch ID: 14-00501
	Proj. Name: 15 1 2200
	Project Number: 999-2554
	Date Samples Taken: 4/29/14
	Type of Analysis: PLM
	Turn Around Time Request:
	2 Hour:
	Same Day:
	24 Hour:
- 1	F D 2/

Sample(s) size: Accept / Reject Non-Conformance Memo: Y / N			5 Day:
Package Condition:	Good / Damaged /	Sever Damage	Page: 1 of
NIH Lab ID	Sample Number	Sample Description	Sample Location
l	Fh) ·	White w/ block spots viny on co	onte Kitchen
2	Fla =	Jan marbled viny floor	Dining room
3	FU.I	Brown = aspho 17 Shingles	Exterior
4	m3.1	Gypsum board	Dining room
- 5	mziA	Plesta	Living room
6	B		Living room
7	C	V. V. Y. U	Dining room
8	mile.	ned Siding telt	CXXTIE
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Date: 5/5/0/			
OS C8		1:23 Analyxed by Jude Cu	



215 SW 153rd Street Burien, WA 98166 OFFICE: (206) 988-1746 FAX: (206) 988-1978 EMAIL: jcummings@bridgeband.com

NVLAP Lab Code: 200511-0

5/9/2014

Kari Taylor Northern Industrial Hygiene, Inc. 201 South 30th Street Billings, MT 59101-

RE: Bulk Asbestos Fiber Analysis; Batch # 14-00498 Project Location 115 N 22nd MT Loft Garage

Dear Kari Taylor,

Thank you for choosing Northern Industrial Hygiene, Inc. as your laboratory. Enclosed you will find analytical results for the bulk samples submitted to the laboratory.

Northern Industrial Hygiene is accredited by NVLAP Lab Code: 200511-0. Accreditation by NVLAP does not indicate endorsement by NVLAP or any other government agency. All bulk samples are analyzed in accordance with U.S. EPA Method -600/M4-82-020, December 1982 and EPA Method 600/R-93-116, July 1993. "Method for Determination of Asbestos in Bulk Building Materials" (NESHAP, 40 CFR-Part 61) protocol.

Analysis is cross checked through our inter or intra laboratory quality assurance program for verification. The percent values reported are based on calibrated visual estimates by volume unless verification by Point Count is indicated. Test results reported relate only to the samples submitted by the customer to Northern Industrial Hygiene, Inc. Trace amounts of asbestos are below the limit of detection and asbestos fibers with diameters below approximately 0.25 micrometers are not detectable with the Polarized Light Microscopy (PLM) analytical procedure. A trace amount of asbestos is defined as one to five fibers in three slide mounts. Asbestos found in this amount will be reported as "< 1.0%" by PLM analysis.

This report is highly confidential and shall not be reproduced without your written approval and the written approval of Northern Industrial Hygiene, Inc.

Samples are archived for thirty (30) days following analysis. Please contact us if samples need to be archived longer than the standard holding time.

Thank you for using Northern Industrial Hygiene, Inc. If you have any guestions or concerns please contact us.

Sincerely,

Rachel Melgoza

Analyst

Enclosure: Bulk Sample Results

achel Welgoza



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc. NIH Batch Number: 14-00498 201 South 30th Street Client Job Number: 999-2554 Billings, MT 59101-Turn Around Time: 5 Day Project Location: 115 N 22nd MT Loft Garage Samples Analyzed: 10

Client Sample Number: M7.1A

Client Sample Description: Plaster

Client Sample Location: **Living Room**

Sample Comments:

Checked If Sample Not Analyzed

Lab Sample Number: 14-00498.0001

Lab Sample Number: 14-00498.0002

White paint with white powder Layer 1

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components: **No Asbestos Detected**

52% Filler and Binder 1% Cellulose

47% Paint

Comments: Materials distinguishable but inseparable

Layer 2 Tan paper on off-white compressed chalky powder

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 30% Cellulose 65% Filler and Binder

5% Fiberglass

Comments: Materials distinguishable but inseparable

Client Sample Number: M7.1B

Client Sample Description: Plaster Client Sample Location: Kitchen

Sample Comments: Checked If Sample Not Analyzed

White paint with white powder Layer 1

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components: No Asbestos Detected 1% Cellulose 49% Filler and Binder

50% Paint

Comments: Materials distinguishable but inseparable

Layer 2 Tan paper on off-white compressed chalky powder

Non-Asbestos Fibrous Components: Non-Fibrous Components: **Asbestos Fibrous Components:** No Asbestos Detected 25% Cellulose 70% Filler and Binder

5% Fiberglass

Materials distinguishable but inseparable Comments:

Client Sample Number: M7.1C Lab Sample Number: 14-00498.0003

Client Sample Description: **Plaster** Client Sample Location: **Bedroom**

Sample Comments: Checked If Sample Not Analyzed

(Sample results continued on next page.)

Sampled by: Kari Taylor 4/29/2014 5/6/2014 Received by: Fermin Uribe

Reviewed by: Rachel Melgoza 5/9/2014 Cachel Melyoza

Rachel Melgoza, Analyst



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.NIH Batch Number:14-00498201 South 30th StreetClient Job Number:999-2554Billings, MT 59101-Turn Around Time:5 DayProject Location:115 N 22nd MT Loft GarageSamples Analyzed:10

Layer 1 White paint with white powder

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components: 50% Filler and Binder

49% Paint

Comments: Materials distinguishable but inseparable

Layer 2 Tan paper on off-white compressed chalky powder

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components: 72% Filler and Binder

5% Fiberglass

Comments: Materials distinguishable but inseparable

Client Sample Number: M16.1 Lab Sample Number: 14-00498.0004

Client Sample Description: Concrete
Client Sample Location: Exterior

Sample Comments: Checked If Sample Not Analyzed

Tan and gray gritty compressed material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 1% Cellulose 60% Aggregate

39% Filler and Binder

Client Sample Number: \$1.1A Lab Sample Number: 14-00498.0005

Client Sample Description: Troweled on Texture
Client Sample Location: Living Room

Sample Comments: Materials distinguishable but inseparable Checked If Sample Not Analyzed

Yellow paint on beige lumpy material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 2% Cellulose 45% Filler and Binder

40% Paint
13% Vermiculite

Client Sample Number: \$1.1B Lab Sample Number: 14-00498.0006

Client Sample Description: Troweled on Texture
Client Sample Location: Living Room

Sample Comments: Materials distinguishable but inseparable

Checked If Sample Not Analyzed

(Sample results continued on next page.)

Sampled by: Kari Taylor 4/29/2014
Received by: Fermin Uribe 5/6/2014
Reviewed by: Rachel Melgoza 5/9/2014

Rachel Melgoza

Rachel Melgoza, Analyst



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc. NIH Batch Number: 14-00498 201 South 30th Street Client Job Number: 999-2554 Billings, MT 59101-Turn Around Time: 5 Day Project Location: 115 N 22nd MT Loft Garage Samples Analyzed: 10

Yellow paint on beige lumpy material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components: No Asbestos Detected

45% Filler and Binder 2% Cellulose

> 40% Paint 13% Vermiculite

Client Sample Number: S1.1C Lab Sample Number: 14-00498.0007

Client Sample Description: **Troweled on Texture** Client Sample Location: **Living Room**

Checked If Sample Not Analyzed Sample Comments: Materials distinguishable but inseparable

White and green paint layers on off-white compressed powder

Non-Asbestos Fibrous Components: Non-Fibrous Components: **Asbestos Fibrous Components: No Asbestos Detected**

1% Cellulose 59% Filler and Binder

40% Paint

Client Sample Number: S1.2A Lab Sample Number: 14-00498.0008

Client Sample Description: **Sandy Texture** Client Sample Location: **Bedroom**

Sample Comments: Materials distinguishable but inseparable Checked If Sample Not Analyzed

Yellow paint on beige lumpy material

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 2% Cellulose 43% Filler and Binder

> 40% Paint 15% Vermiculite

Client Sample Number: S1.2B Lab Sample Number: 14-00498.0009

Client Sample Description: **Sandy Texture** Client Sample Location: **Bedroom**

Sample Comments: Checked If Sample Not Analyzed Materials distinguishable but inseparable

White and green paint layers with white gritty powder

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

No Asbestos Detected 10% Aggregate

35% Filler and Binder

55% Paint

(Sample results continued on next page.)

Sampled by: Kari Taylor 4/29/2014 5/6/2014 Received by: Fermin Uribe Reviewed by: Rachel Melgoza 5/9/2014

Cachel Melyoza

Rachel Melgoza, Analyst



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

NIH Batch Number: 14-00498 Northern Industrial Hygiene, Inc. 201 South 30th Street Client Job Number: 999-2554 Billings, MT 59101-Turn Around Time: 5 Day Project Location: 115 N 22nd MT Loft Garage Samples Analyzed: 10

Client Sample Number: S1.2C Lab Sample Number: 14-00498.0010

Client Sample Description: **Sandy Texture** Client Sample Location: **Bedroom**

No Asbestos Detected

Checked If Sample Not Analyzed Sample Comments: Materials distinguishable but inseparable

White and green paint layers with white gritty powder

Asbestos Fibrous Components: Non-Asbestos Fibrous Components: Non-Fibrous Components:

10% Aggregate

35% Filler and Binder

55% Paint

Sampled by: Kari Taylor 4/29/2014 Received by: Fermin Uribe 5/6/2014 Reviewed by: Rachel Melgoza 5/9/2014

Rachel Melyoza

Chain of Custody

Northern Industrial Hygiene, Inc.

2. South 30th Street Billings, MT 59101-2054 Phone: (406) 245-7766

Fax: (406) 254-1428

E-mail: ktaylor@bridgeband.com

Inspector/Contact: Kari Taylor

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LP	AP Lab Code: 200511-0
	NIH Lab Batch ID: 14-00498
	Proj. Name: 115 N 22nd
	Project Number: 999-2554
	Date Samples Taken: 4/29/14
	Type of Analysis: PLh
	Turn Around Time Request:
	2 Hour:
	Same Day:
	24 Hour:
	5 Day:)
-	Page: 1 of _/_

For lab use only Sample(s) size: Acco	en / Reject N	on-Conformance Memo: Y/N	5 Day:
Package Condition:	Good / Damaged / S	ever Damage	Page: of
NIH Lab ID	Sample Number	Sample Description	Sample Location
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Orion Detail

Disclaimer: Not all fields are currently maintained. The accuracy of the data is not guaranteed. Please notify the Appraisal/Assessment Office (406-896-4000) of any inaccuracies.

Back to Search Form

Property Tax Detail

Owner Information

Primary Owner:

CAROL KRAFT LIVING TRUST

Tax ID:

A00572

Geo Code:

03-1033-33-3-19-06-0000

Property Address:

115 N 22ND ST BILLINGS 59101

Legal Description:

BILLINGS ORIGINAL TOWNSITE, S33, T01 N, R26 E, BLOCK 86, Lot 16 - 17

Property Type:

RU - Residential Urban

To view recorded documents, please login to the Clerk & Recorder Search, (will open in a new tab) and copy/paste the recording number into the search form.

Deed Documents: Recording # Document type Recorded Date Document Date Book Page

3697078

Warranty Deed 2/4/2014

1/24/2014

Site Data View Codes

	03-096514-214	Location:	5 - Neighborhood or Spot
Neighborhood Code:	400	Fronting	4 - Residential Street%
Parking type:	2 - On Street	Parking Prox	3 - On Site%
Utilities:	1, 4, 9	Access:	1
Lot Size:	7000 Sq. Ft.	Topology:	1

Residential Building Data **SFR** 1905 **ECF**

1.01 0.95

Year Remodeled: Effective Year:

Type:

Year Built:

1960

Degree Remodeled **Utility:**

Style: 03 - Ranch **Condition:**

Exterior: 1 - Frame - 6 - Wood Siding or Sheathing

Story Height: Roof Type:

Foundation:

1.0 2 - Hip 3 - Slab 3 - Gas

Roof Material: Basement:

1 - Wood Shingle 0 - None

40.85

Non-Central Percent Complete: 100%

Grade-Factor: CDU:

Unsound (1)

Bedrooms: Family Rooms: 1st Floor:

2 962 Additional Area: 0

Full Baths: Half Baths: 2nd Floor: **Bsmt Fnsh:**

Addl Fixtr: 2 0

Basement: Half Floor: Attic: Attic Type:

Daylight Basement: N **Built-in Garage:** Masonry F/P:

Heated Fir:

Total:* includes finished, unfinished & attic footprint area(s) F/P Stacks: Pre Fab F/P:

Residential Building Additions

Addition Code Area(Sq Ft) 14 - Porch, Frame, Enclosed 108 11 - Porch, Frame, Open 150

Other Building and Yard Improvements

Code - Type Quantity Area/Unit Classcode RRG3 - Garage, frame, detached, unfinished 1 576 3501 RSG1 - Garage, detached, finish 1 672 3501

NEW JOB FORM

NIH No.: 99 2	554 P	roject Manag	er.:	DATE	04-24-14
PROJECT NAME:	e-como	Abb. I	BILLING/ CLIENT INFO	Carol K	iraft 28
Address:	5 N 22	t3 bn.	Address:		a Hotmail con
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City/State/Zip Contact:	Illings,	71 (_ City/State/Zip Contact:	-	
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JOB TYPE (Check	All That Appl	<u>y):</u>			
Asbestos S Lead Surve			Air Monitoring Project Mgmt	Phase Mold S	e 1 Survey
JOB REQUIREME	NTS (Check A	II That Apply)			
Bulk Samp Report Let			Final Binder Drawings		Report Full Cost Estimate
INSURANCE INFO	RMATION				
Claim Number			Insurance Provider		31-13-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
Contact Name			Phone Number		
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201 South 30TH Street Billings, MT 59101 (406) 245-7766 215 SW 153RD Street Burien, WA 98166 (206) 988-1746

1325 Euclid Avenue, Unit 1 Helena, MT 59601 (406) 443-3369

Project Name:	Project #:	Date:
Subject:	Prepared By:	Page Of
Subject: M3 M7 M1 M1 M1 M1 M1 M1 M1 M1 M1	Prepared By:	



215 SW 153rd Street Burien, WA 98166 OFFICE: (206) 988-1746 FAX: (206) 988-1978 EMAIL: jcummings@bridgeband.com

NVLAP Lab Code: 200511-0

5/9/2014

Kari Taylor Northern Industrial Hygiene, Inc. 201 South 30th Street Billings, MT 59101-

RE: Bulk Asbestos Fiber Analysis; Batch # 14-00498 Project Location 115 N 22nd MT Loft Garage

Dear Kari Taylor,

Thank you for choosing Northern Industrial Hygiene, Inc. as your laboratory. Enclosed you will find analytical results for the bulk samples submitted to the laboratory.

Northern Industrial Hygiene is accredited by NVLAP Lab Code: 200511-0. Accreditation by NVLAP does not indicate endorsement by NVLAP or any other government agency. All bulk samples are analyzed in accordance with U.S. EPA Method -600/M4-82-020, December 1982 and EPA Method 600/R-93-116, July 1993. "Method for Determination of Asbestos in Bulk Building Materials" (NESHAP, 40 CFR-Part 61) protocol.

Analysis is cross checked through our inter or intra laboratory quality assurance program for verification. The percent values reported are based on calibrated visual estimates by volume unless verification by Point Count is indicated. Test results reported relate only to the samples submitted by the customer to Northern Industrial Hygiene, Inc. Trace amounts of asbestos are below the limit of detection and asbestos fibers with diameters below approximately 0.25 micrometers are not detectable with the Polarized Light Microscopy (PLM) analytical procedure. A trace amount of asbestos is defined as one to five fibers in three slide mounts. Asbestos found in this amount will be reported as "< 1.0%" by PLM analysis.

This report is highly confidential and shall not be reproduced without your written approval and the written approval of Northern Industrial Hygiene, Inc.

Samples are archived for thirty (30) days following analysis. Please contact us if samples need to be archived longer than the standard holding time.

Thank you for using Northern Industrial Hygiene, Inc. If you have any questions or concerns please contact us.

Sincerely,

Rachel Melgoza

Analyst

Enclosure: Bulk Sample Results



215 SW 153rd Street Burien, WA 98166

OFFICE: (206) 988-1746 FAX: (206) 988-1978

NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: 115 N 22nd MT Loft Garage

NIH Batch Number:

14-00498

Client Job Number: Turn Around Time:

999-2554 5 Day

Samples Analyzed:

10

Client Sample Number:

M7.1A

Client Sample Description:

Plaster

Client Sample Location:

Living Room

Sample Comments:

Checked If Sample Not Analyzed

Lab Sample Number: 14-00498.0001

Layer 1

White paint with white powder

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

1% Cellulose

52% Filler and Binder

47% Paint

Comments:

Materials distinguishable but inseparable

Layer 2

Tan paper on off-white compressed chalky powder

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

30% Cellulose

65% Filler and Binder

5% Fiberglass

Comments:

Materials distinguishable but inseparable

Client Sample Number:

M7.1B

White paint with white powder

Client Sample Description: Client Sample Location:

Plaster

Kitchen

Checked If Sample Not Analyzed

Sample Comments:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

1% Cellulose

49% Filler and Binder

50% Paint

Comments:

Layer 1

Materials distinguishable but inseparable

Layer 2

Tan paper on off-white compressed chalky powder

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Asbestos Fibrous Components: No Asbestos Detected

Asbestos Fibrous Components:

25% Cellulose

70% Filler and Binder

5% Fiberglass

Comments:

Materials distinguishable but inseparable

Client Sample Number:

M7.1C

Plaster

Lab Sample Number: 14-00498.0003

Lab Sample Number: 14-00498.0002

Client Sample Description:

Bedroom

Checked If Sample Not Analyzed

Sample Comments:

Client Sample Location:

(Sample results continued on next page.)

Sampled by: Kari Taylor

Received by: Fermin Uribe Reviewed by: Rachel Melgoza 4/29/2014

5/6/2014

5/9/2014

Rachel Melgoza

Rachel Melgoza, Analyst



215 SW 153rd Street Burien, WA 98166

OFFICE: (206) 988-1746 FAX: (206) 988-1978

NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: 115 N 22nd MT Loft Garage

NIH Batch Number:

14-00498

Client Job Number:

999-2554

Turn Around Time:

5 Day

Samples Analyzed:

10

Layer 1 White paint with white powder

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

1% Cellulose

50% Filler and Binder

49% Paint

Materials distinguishable but inseparable

Layer 2

Tan paper on off-white compressed chalky powder

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

23% Cellulose

72% Filler and Binder

5% Fiberglass

Comments:

Materials distinguishable but inseparable

Client Sample Number:

M16.1

Lab Sample Number: 14-00498.0004

Client Sample Description: Client Sample Location:

Concrete Exterior

Sample Comments:

Checked If Sample Not Analyzed

Tan and gray gritty compressed material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

1% Cellulose

60% Aggregate

39% Filler and Binder

Client Sample Number:

S1.1A Client Sample Description:

Troweled on Texture

Client Sample Location:

Living Room

Sample Comments:

Materials distinguishable but inseparable

Checked If Sample Not Analyzed

Lab Sample Number: 14-00498.0005

Yellow paint on beige lumpy material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

2% Cellulose

45% Filler and Binder

40% Paint

13% Vermiculite

Client Sample Number:

S1.1B

Lab Sample Number: 14-00498.0006

Client Sample Description:

Troweled on Texture

Client Sample Location: Sample Comments:

Living Room Materials distinguishable but inseparable

Checked If Sample Not Analyzed

(Sample results continued on next page.)

4/29/2014

Sampled by: Kari Taylor

Received by: Fermin Uribe

5/6/2014 Reviewed by: Rachel Melgoza

Rachel Melyoza 5/9/2014

Rachel Melgoza, Analyst



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: 115 N 22nd MT Loft Garage

NIH Batch Number:

Client Job Number:

Turn Around Time: Samples Analyzed: 5 Day 10

14-00498

999-2554

Yellow paint on beige lumpy material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

2% Cellulose

45% Filler and Binder

40% Paint

13% Vermiculite

Client Sample Number:

S1.1C

Lab Sample Number: 14-00498.0007

Client Sample Description:

Troweled on Texture

Client Sample Location:

Living Room

Sample Comments:

Materials distinguishable but inseparable

Checked If Sample Not Analyzed

White and green paint layers on off-white compressed powder

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

1% Cellulose

59% Filler and Binder

40% Paint

Client Sample Number: Client Sample Description: S1.2A

Sandy Texture

Client Sample Location:

Bedroom

Sample Comments:

Materials distinguishable but inseparable

Lab Sample Number: 14-00498.0008

Checked If Sample Not Analyzed

Yellow paint on beige lumpy material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

2% Cellulose

43% Filler and Binder

40% Paint 15% Vermiculite

Client Sample Number:

S1.2B

Client Sample Description:

Sandy Texture

Client Sample Location:

Bedroom

Sample Comments:

Materials distinguishable but inseparable

Checked If Sample Not Analyzed

Lab Sample Number: 14-00498.0009

White and green paint layers with white gritty powder

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

10% Aggregate

35% Filler and Binder

55% Paint

(Sample results continued on next page.)

Sampled by: Kari Taylor

Received by: Fermin Uribe Reviewed by: Rachel Melgoza

4/29/2014

5/6/2014 5/9/2014

Rachel Melyoza

Rachel Melgoza, Analyst



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: 115 N 22nd MT Loft Garage

NIH Batch Number:

Client Job Number:

14-00498 999-2554

Turn Around Time:

5 Day

Samples Analyzed:

10

Client Sample Number:

S1.2C

Client Sample Description:

Sandy Texture

Client Sample Location:

Bedroom

Sample Comments:

No Asbestos Detected

Materials distinguishable but inseparable

Checked If Sample Not Analyzed

Lab Sample Number: 14-00498.0010

White and green paint layers with white gritty powder

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

10% Aggregate

35% Filler and Binder

55% Paint

Sampled by: Kari Taylor Received by: Fermin Uribe Reviewed by: Rachel Melgoza 4/29/2014 5/6/2014 5/9/2014

Rachel Melyoza

Chain of Custody

Northern Industrial Hygiene, Inc.

2.. South 30th Street Billings, MT 59101-2054 Phone: (406) 245-7766

Fax: (406) 254-1428 E-mail: ktaylor@bridgeband.com

Sample(s) size: Accept / Reject

For lab use only:

Inspector/Contact: Kari Taylor

/	
1	
101	C1708
100	9000
110	/ 1

Non-Conformance Memo: Y/N)

NVLAP Lab Code: 200511-0

L/	AP Lab Code: 200511-0
	NIH Lab Batch ID: 14-00498
	Proj. Name: 115 N. 22nd
	Project Number: 999-2554
	Date Samples Taken: 4/29/14
	Type of Analysis: P()
	Turn Around Time Request:
	2 Hour:
	Same Day:
	24 Hour:
	5 Day:)X
	Page: of/_

IIH Lab ID	Sample Number	Sample Description	s	Sample Location	
e000		Plaster		Living ro	com-
1 2	R			Kitchen	
3	7			Bedroom	
4	mile	Concrete		Exterior	
1.5	5114	troughed on texture		Living ro	a
6	R			10	
7			1	13	
8	51,2A	Sandy texting		Bedroom	
9	B.				
110	C			V	
			1		
					-/
					/
			16		
	ples shipped this		10	10	
Total number of	f samples shipped	l: Group method - Stop at first positive in eac	ch group	Yes No D	
Special Instruct			on group	7	Firm: NTH
Date:5///	-	Relinquished by: To Topic		\$	Firm: (158)
11111	4 Time: 5	Received by: USPS	1.1-2		Firm: NH-BI
Date: 05/060/	14 Time: 12	25 Received by: For mun (Ur	US.		,



215 SW 153rd Street Burien, WA 98166 OFFICE: (206) 988-1746 FAX: (206) 988-1978 EMAIL: jcummings@bridgeband.com NVLAP Lab Code: 200511-0

5/9/2014

Kari Taylor Northern Industrial Hygiene, Inc. 201 South 30th Street Billings, MT 59101-

RE: Bulk Asbestos Fiber Analysis; Batch # 14-00501 Project Location 115 N 22nd, MT, Residence

Dear Kari Taylor,

Thank you for choosing Northern Industrial Hygiene, Inc. as your laboratory. Enclosed you will find analytical results for the bulk samples submitted to the laboratory.

Northern Industrial Hygiene is accredited by NVLAP Lab Code: 200511-0. Accreditation by NVLAP does not indicate endorsement by NVLAP or any other government agency. All bulk samples are analyzed in accordance with U.S. EPA Method -600/M4-82-020, December 1982 and EPA Method 600/R-93-116, July 1993. "Method for Determination of Asbestos in Bulk Building Materials" (NESHAP, 40 CFR-Part 61) protocol.

Analysis is cross checked through our inter or intra laboratory quality assurance program for verification. The percent values reported are based on calibrated visual estimates by volume unless verification by Point Count is indicated. Test results reported relate only to the samples submitted by the customer to Northern Industrial Hygiene, Inc. Trace amounts of asbestos are below the limit of detection and asbestos fibers with diameters below approximately 0.25 micrometers are not detectable with the Polarized Light Microscopy (PLM) analytical procedure. A trace amount of asbestos is defined as one to five fibers in three slide mounts. Asbestos found in this amount will be reported as "< 1.0%" by PLM analysis.

This report is highly confidential and shall not be reproduced without your written approval and the written approval of Northern Industrial Hygiene, Inc.

Samples are archived for thirty (30) days following analysis. Please contact us if samples need to be archived longer than the standard holding time.

Thank you for using Northern Industrial Hygiene, Inc. If you have any questions or concerns please contact us.

Sincerely,

Jude Cummings

Laboratory Manager/Analyst

Enclosure: Bulk Sample Results

Currys



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street Billings, MT 59101-

Project Location: 115 N 22nd, MT, Residence

NIH Batch Number:

14-00501

Client Job Number: Turn Around Time:

999-2554

Samples Analyzed:

5 Day 13

Client Sample Number:

F1.1

White w/ Black Spots Vinyl

Client Sample Description: Client Sample Location:

Sample Comments:

Kitchen on Counter

Checked If Sample Not Analyzed [

Lab Sample Number: 14-00501.0001

Layer 1

White coating on brown fibrous brittle compressed material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

70% Cellulose

20% Filler and Binder

10% Coating

Comments:

Materials distinguishable but inseparable

Layer 2 Brown opaque mastic

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

2% Cellulose

98% Filler and Binder

Client Sample Number:

F1.2

Lab Sample Number: 14-00501.0002

Client Sample Description: Client Sample Location:

Tan Marbled Vinyl Flooring **Dining Room**

Sample Comments:

Materials distinguishable but inseparable

Checked If Sample Not Analyzed

Tan vinyl with gold squares vinyl with black fibrous backing and white residue

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

20% Cellulose

10% Filler and Binder

30% Asphalt Filler and Binder 40% Vinyl Filler and Binder

Client Sample Number:

M1.1

Lab Sample Number: 14-00501.0003

Client Sample Description:

Client Sample Location:

Brown Asphalt Shingles Exterior

Sample Comments:

Checked If Sample Not Analyzed

Brown pebbles on black fibrous asphalt

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

12% Fiberglass

35% Aggregate

53% Asphalt Filler and Binder

(Sample results continued on next page.)

Sampled by: Kari Taylor

Received by: Fermin Uribe

Reviewed by: Jude Cummings

4/29/2014

5/6/2014 5/9/2014

Jude Cummings, Laboratory Manager/Analy

Currys



NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: 115 N 22nd, MT, Residence

NIH Batch Number:

14-00501

Client Job Number:

999-2554

Turn Around Time:

5 Day

Samples Analyzed:

13

Client Sample Number:

Client Sample Description:

Gypsum Board Dining Room

Client Sample Location: Sample Comments:

Checked If Sample Not Analyzed [

Lab Sample Number: 14-00501.0004

Layer 1

White paint on white compressed powdery material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Chrysotile Asbestos <1%

1% Cellulose

10% Paint

89% Filler and Binder

Comments:

Layer 2

Verified by the NESHAP Point Count, 0.50% Chrysotile

White papery on white compressed powdery material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

85% Cellulose

15% Filler and Binder

Layer 3

Brown papery on white compressed powdery material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

30% Cellulose

70% Filler and Binder

Comments: Materials distinguishable but inseparable

Layer 4

Composite of layers 1, 2 and 3

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Chrysotile Asbestos <1%

35% Cellulose

2% Paint

63% Filler and Binder

Client Sample Number:

Client Sample Description:

M7.1A **Plaster**

Client Sample Location:

Sample Comments:

Living Room

Checked If Sample Not Analyzed □

Lab Sample Number: 14-00501.0005

(Sample results continued on next page.)

Sampled by: Kari Taylor Received by: Fermin Uribe

Reviewed by: Jude Cummings

4/29/2014

5/6/2014

5/9/2014

Currys

Jude Cummings, Laboratory Manager/Analy



215 SW 153rd Street Burien, WA 98166 OFFICE: (206) 988-1746 FAX: (206) 988-1978

NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street Billings, MT 59101-

Project Location: 115 N 22nd, MT, Residence

NIH Batch Number:

14-00501

Client Job Number:

999-2554

Turn Around Time:

5 Day

Samples Analyzed:

13

White gritty compressed material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

No Asbestos Detected

60% Fine Grains

40% Filler and Binder

Gray gritty compressed material Layer 2

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

65% Aggregate

35% Filler and Binder

Client Sample Number:

Client Sample Description:

M7.1B **Plaster** Living Room

Client Sample Location: Sample Comments:

Lab Sample Number: 14-00501.0006

Checked If Sample Not Analyzed

Layer 1 White gritty compressed material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

65% Aggregate

35% Filler and Binder

Layer 2 Medium brown compressed fibers

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

92% Cellulose

8% Filler and Binder

Client Sample Number:

M7.1C

Plaster

Client Sample Description: Client Sample Location:

Dining Room

Sample Comments:

Checked If Sample Not Analyzed

Lab Sample Number: 14-00501.0007

White gritty compressed material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

65% Aggregate

35% Filler and Binder

Layer 2 Medium brown compressed fibers

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

90% Cellulose

10% Filler and Binder

(Sample results continued on next page.)

Sampled by: Kari Taylor

Reviewed by: Jude Cummings

Received by: Fermin Uribe

4/29/2014

5/6/2014 5/9/2014

Currys

Jude Cummings, Laboratory Manager/Analy

Page 3



215 SW 153rd Street Burien, WA 98166 OFFICE: (206) 988-1746 FAX: (206) 988-1978

NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: 115 N 22nd, MT, Residence

NIH Batch Number:

14-00501

Client Job Number: 999-2554

Turn Around Time:

5 Day

Samples Analyzed:

13

Client Sample Number:

M16.1

Client Sample Description:

Red Siding Felt

Client Sample Location: Sample Comments:

Exterior

Checked If Sample Not Analyzed [

Lab Sample Number: 14-00501.0008

Reddish-brown and tan fibrous material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

92% Cellulose

8% Filler and Binder

Client Sample Number:

Lab Sample Number: 14-00501.0009

Client Sample Description: Client Sample Location:

Black Siding Felt

Exterior

Sample Comments:

Checked If Sample Not Analyzed

Black fibrous asphalt

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

45% Cellulose

55% Asphalt Filler and Binder

Client Sample Number:

Client Sample Description:

Client Sample Location:

Concrete

Basement

M16.3

Sample Comments:

Lab Sample Number: 14-00501.0010

Checked If Sample Not Analyzed

Off-white gritty mterial

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

75% Aggregate

25% Filler and Binder

Client Sample Number:

S1.1A

Caked-on Surfacing

Client Sample Description: Client Sample Location:

Living Room - Fireplace

Sample Comments:

Materials distinguishable but inseparable

Lab Sample Number: 14-00501.0011

Checked If Sample Not Analyzed

Whie paint with white powdery residue

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

60% Paint

40% Filler and Binder

(Sample results continued on next page.)

Sampled by: Kari Taylor

Received by: Fermin Uribe

Reviewed by: Jude Cummings

4/29/2014

5/6/2014 5/9/2014

Currys

Jude Cummings, Laboratory Manager/Analy

Page 4



215 SW 153rd Street Burien, WA 98166 OFFICE: (206) 988-1746 FAX: (206) 988-1978

NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street Billings, MT 59101-

Project Location: 115 N 22nd, MT, Residence

NIH Batch Number:

14-00501

Client Job Number:

999-2554

Turn Around Time:

5 Day

Samples Analyzed:

Client Sample Number:

S1.1B

Caked-on Surfacing

Client Sample Description: Client Sample Location:

Living Room - Fireplace

Sample Comments:

Materials distinguishable but inseparable

Checked If Sample Not Analyzed

Lab Sample Number: 14-00501.0012

Chunks of white and green paint with white and off-white powdery material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Chrysotile Asbestos <1%

2% Cellulose

30% Paint

68% Filler and Binder

Client Sample Number:

S1.1C

Lab Sample Number: 14-00501.0013

Client Sample Description:

Caked on Surfacing Living Room - Fireplace

Client Sample Location: Sample Comments:

Materials distinguishable but inseparable

Checked If Sample Not Analyzed

White and green paint with white and off-white compressed powdery material

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Chrysotile Asbestos <1%

1% Cellulose

35% Paint

64% Filler and Binder

Sampled by: Kari Taylor Received by: Fermin Uribe Reviewed by: Jude Cummings 4/29/2014

5/6/2014

5/9/2014

Jude Cummings, Laboratory Manager/Analy

Page 5

Chain of Custody

Northern Industrial Hygiene, Inc.

Billings, MT 59101-2054 Phone: (406) 245-7766

Fax: (406) 254-1428

For lab use only:

Sample(s) size: Accept / Reject

E-mail: ktaylor@bridgeband.com

Inspector/Contact: Kari Taylor

41	
1/1	-10 <
10,	une
Resi	
1 ,-	

Non-Conformance Memo: Y / N

NVLAP Lab Code: 200511-0

NIH La	ib Batch ID: 14-00501
-	lame: 115 11, 2200
	t Number: 999-2554
Date S	amples Taken: 4/29/14
Type o	of Analysis: PLM
Turn A	Around Time Request:
0.11	

2 Hour:

Same Day:

24 Hour:
5 Day: X

Page: Package Condition: Good,/ Damaged / Sever Damage Sample Sample Location Sample Description Number NIH Lab ID Which sook usual on counter 00 room 4 10 Number of samples shipped this page: Total number of samples shipped: Analyze Group method - Stop at first positive in each group Yes X Special Instructions: Firm: 17 Relinquished by: Time: 5 Firm: US Time: Som Received by: Date: Firm: NIH-Burer Received by: Time: 1455 Analy xed by P=vised 2/05/2009 JAC 13:23 05.08.14

Chain of Custody

Northern Industrial Hygiene, Inc.

South 30th Street Billings, MT 59101-2054 Phone: (406) 245-7766

Fax: (406) 254-1428

E-mail: ktaylor@bridgeband.com

Inspector/Contact: Kari Taylor

NVL	AP Lab Code: 200511-0
	NIH Lab Batch ID:
	Proj. Name: 115 N 22nd
	Project Number: 999-2554 Date Samples Taken: 4/29/14
	Type of Analysis: PL
	Turn Around Time Request:
	2 Hour: Same Day:
	24 Hour:
	5 Day: Page: 1 of
	Sample Location
	1

Farleh use only:		24 Hour.
For lab use only:	Non-Conformance Memo: Y / N	5 Day:
Sample(s) size: Accept / Reject		Page: 1 of /
Package Condition: Good / Damage	ed / Sever Damage	
Sample		Sample Location
NIH Lab ID Numbe	Sample Description	
m7.)	A Plaster	Living room
	2	1 Kitchen
		1) Beckmen
	* * *	Exturn
m_{iG}	Concrete	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
51.1	4 troupled on texture	LIVIN YOU
R		
51.5	Sandy texting	Bedmon
	DA JOSTON TONG	
)	3.	
C		
Number of samples shipped	this page:	10
	nnod:	2
Special Instructions: Analy	yze Group method - Stop at first positive in ea	ach group `Yes\⊅ No⊡
	Selinquished by Relinquished by	Firm: VTH
	- 11 2Cpc	Firm: ()SBS
Date: Stylical Time:	Received by:	Firm:
Date.		

Date: 5/1/14	Time: 5 p	Received by: (25 f)	Firm:
Pevised 2/05/2009 JAC	,		
		4	

Chain of Custody

Chain of Custody	NVI	_AP Lab Code: 200511-0
Northern Industrial Hygiene, Inc.	. #1	NIH Lab Batch ID:
2. South 30th Street	Residence	Proj. Name: 1/5 1/2200
Billings, MT 59101-2054	10. June	Project Number: 999-2,554
Phone: (406) 245-7766	20500	Date Samples Taken: 4/29/14
Fax: (406) 254-1428	N.C.	Type of Analysis: PLM
E-mail: ktaylor@bridgeband.com		
, 0		Turn Around Time Request:
Inspector/Contact: Kari Taylor		2 Hour:
	*	Same Day:
For lab use only:		24 Hour:
Sample(s) size: Accept / Reject Non-Confor	mance Memo: Y / N	5 Day: X
Package Condition: Good / Damaged / Sever Dama	age	Page: of
Sample NIH Lab ID Number S	ample Description	Sample Location
FL) Billing	will have sook usual on counter	Kitchen
	padoled viny diborin	Dining room
	n= asphilt Shingles	Extraca
m3.1 Gups		Dining mon
mzia Pies	1	Living room
B \.		Living room
CV.	U X V	Dining room
mile I red	Sidin delt	Extrica

F/1 Chite w/ block spots up	nul on counter Patchen
Fla Janimaroled vinyld	louir Dining room
FNI Brown asph. 14,5	
m3.1 Cupsum Local	Dining room
m714 Plester	Living room
B	12 ving room
	Dinja room
mile. ned Siding tel-	Extraca
MIZO Black Siding de	17 Exterior
mr.3 Concrete	Rosement
Shite Caked on Spracing C	English Living mon
B	
CV	
Number of samples shipped this page:) (
Total number of samples shipped:	20
Special Instructions: Analyze Group method - Stop at first pos	tive in each group Yes ⋉ No □
Date:5/144 Time: 5pm Relinquished by:	
Date: 9/1/14 Time: Som Received by: 1/5 ps	Firm: USYS
Date: Time: Received by:	Firm:

Pevised 2/05/2009 JAC

ASBESTOS HOMOGENEOUS MATERIAL SUMMARY

CLIENT: BUILDING: NUMBER: DATE: PROJECT NO. INSPECTOR:										
НА	MATERIAL				UN	IT NAMI	E/NUMB	ER		
NUMBER	DESCRIPTION									
m16.1	red siding felt 1 block steing felt 1									
m/6.3	Concrete 1									
m	Brown asphalt shingles !									
m/6,4	Fo Insilatu									
m3.(, , ,									
Flat	White wolkspots sheet vington counter									
F1.2	Tan marbled viny short flooring									
51.1	caked on sur lacing (breplace)									
Stiz	· ·									
m(0.1	a' smooth (T									

Page	of	
raue	UI	

ROOM BY ROOM SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIALS CLIENT PROJECT NO. **BUILDING NAME** DATE BUILDING NUMBER **INSPECTOR FLOOR** NOTES **BLDG ABOVE** CEILING **ROOM NUMBER ROOM NAME/USE FLOOR WALLS** CEILING BASE TSI INSUL **OTHER CEILING** HT COMMENTS 101 Hles 102 Dood! NA Plaster carpet 104 W 500 wood causet panel Plante carpet C = CONCRETE, CT = CERAMIC TILE, T = TERRAZZO, WD = WOOD, FG = FIBERGLASS, F = FOAM, QT = QUARRY TILE

NORTHERN INDUSTRIAL HYGIENE, INC. Billings, Montana Helena, Montana, Seattle, Washington

PAGE ____ OF ____

		SUMMAR	Y OF SUS		M BY R		AINING M	ATFRIAL S	<u> </u>		
CLIENT			. 0. 000	. 201 AC		PROJEC					
BUILDING NA	ME					DATE	, I NO.				
BUILDING NU						INSPEC	TOR				
FLOOR	Wille				•	NOTES	TOIL				
						110120					
ROOM NUMBER	ROOM NAME/USE	FLOOR	WALLS	CEILING	BASE	TSI	BLDG INSUL	OTHER	ABOVE CEILING	CEILING HT	COMMENTS
201	LY 600	Corpert	M7.1 Shil	m(6.)	_	-					
202	Dining/Kochen	ward	m7.1	m7.\							
203	Hallway	1	t	1							
204	bedroom	1	m71 S1.2	m7.1							
205	Restoon	1	V								
161	Garage	miles	wood	Wood							
301	Exterior.	/		mili	_						
C = CONCRE	TE, CT = CERAMIC TILE, T	= TERRAZ	ZZO, WD	= WOOD,	FG = F	IBERGLA	SS, F = F	OAM, QT	= QUARRY	TILE	

ASBESTOS HOMOGENEOUS MATERIAL SUMMARY

CLIENT: BUILDING: NUMBER:		2			DATE: PROJE INSPE	CT NO.			
НА	MATERIAL			UI	NIT NAM	E/NUME	BER		
NUMBER	DESCRIPTION								
M71	Plasten 3								
mail	wood felling mals (smooth) 15								
$m_{l(a)}$	trowled on Hexture 3								
MICS	Concrete 1 F6 insulation NS								
517	N 1 2								
ml.i	Brown Shingles (csphett)								
					1				

ROOM BY ROOM SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIALS PROJECT NO. **BUILDING NAME** DATE **BUILDING NUMBER INSPECTOR** NOTES

ROOM NUMBER	ROOM NAME/USE	FLOOR	WALLS	CEILING	BASE	TSI	BLDG INSUL	OTHER	ABOVE CEILING	CEILING HT	COMMENTS
101	Shed.	dirt	wad	wad							mlail
	ΓΕ, CT = CERAMIC TILE, 1										

CLIENT

FLOOR

ASBESTOS HOMOGENEOUS MATERIAL SUMMARY

CLIENT: BUILDING: NUMBER:		_			DATE: PROJEC	CT NO. CTOR:			
НА	MATERIAL			UN	IIT NAMI	E/NUMB	ER		
NUMBER	DESCRIPTION								
<u>m/6.1</u>	Hood Solony Home Shales								
1111,1	dirt flore								
		0							
			4						

Page____ of ____

EDR RADIUS MAP REPORT





Billings, Montana

<u>APPENDIX D</u>

Kraft Properties

115 N 22nd Street Billings, MT 59101

Inquiry Number: 4387262.2s

August 18, 2015

The EDR Radius Map™ Report with GeoCheck®

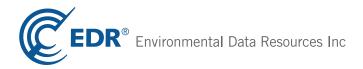


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Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

115 N 22ND STREET BILLINGS, MT 59101

COORDINATES

Latitude (North): 45.7864000 - 45° 47' 11.04" Longitude (West): 108.4986000 - 108° 29' 54.96"

Universal Tranverse Mercator: Zone 12 UTM X (Meters): 694437.4 UTM Y (Meters): 5073141.0

Elevation: 3121 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 6057370 BILLINGS EAST, MT

Version Date: 2014

Northwest Map: 6057372 BILLINGS WEST, MT

Version Date: 2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20110724 Source: USDA

Target Property Address: 115 N 22ND STREET BILLINGS, MT 59101

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	HANCOCK PROPERTIES	2123 1ST AVE N	LUST, UST	Lower	261, 0.049, ESE
A2	TIRE RAMA	2123 1ST AVE N	RCRA NonGen / NLR	Lower	261, 0.049, ESE
A3		2122 1ST AVE N	EDR US Hist Auto Stat	Lower	272, 0.052, ESE
A4	AA TRANSMISSION	2122 1ST AVE. NORTH	US BROWNFIELDS	Lower	272, 0.052, ESE
A5	AAA TRANSMISSION CO	2122 1ST AVE N	LUST, UST	Lower	272, 0.052, ESE
A6	RENT-A-WRECK	2110 1ST AVENUE NORT	US BROWNFIELDS	Lower	315, 0.060, East
A7		2110 1ST AVE N	EDR US Hist Auto Stat	Lower	315, 0.060, East
A8	COMPUTERS4KIDS & NUT	2110 1ST AVE N	RCRA NonGen / NLR	Lower	315, 0.060, East
A9	BARGREEN ELLINGSON P	2109 1ST AVENUE NORT	US BROWNFIELDS	Lower	316, 0.060, East
10	FENSKE PRINTING INCO	2120 3RD AVE N	RCRA NonGen / NLR	Lower	458, 0.087, NNW
B11	DON LEE FORMER SERVI	2301 1ST AVE N	UST	Higher	463, 0.088, SSW
B12		2301 1ST AVE N	EDR US Hist Auto Stat	Higher	478, 0.091, SSW
C13	JEM PROPERTIES - 202	2021 2ND AVENUE NORT	US BROWNFIELDS	Lower	493, 0.093, NE
C14		2015 2ND AVE N	EDR US Hist Auto Stat	Lower	512, 0.097, NE
C15	SIGNS ETC	2015 2ND AVE N	RCRA-CESQG	Lower	512, 0.097, NE
C16	JEM PROPERTIES - 201	2015 2ND AVENUE NORT	US BROWNFIELDS	Lower	512, 0.097, NE
D17	SMITH & JONES DATSUN	2015 1ST AVE N	RCRA NonGen / NLR	Lower	566, 0.107, ENE
D18	TRACK SIDE BODY SHOP	2014 1ST AVE N	RCRA-CESQG	Lower	569, 0.108, ENE
D19		2012 1ST AVE N	EDR US Hist Auto Stat	Lower	575, 0.109, ENE
C20	JEM PROPERTIES - 220	220 NORTH 20TH STREE	US BROWNFIELDS	Lower	576, 0.109, NE
D21	ARTCRAFT PRINTERS	2001 1ST AVE N	RCRA-CESQG	Lower	602, 0.114, ENE
22		2121 MONTANA AVE	EDR US Hist Auto Stat	Lower	613, 0.116, SE
E23	BURLINGTON NORTHERN	2224 MONTANA AVE	CERC-NFRAP	Higher	630, 0.119, SSE
E24	BURLINGTON NORTHERN	2224 MONTANA AVE	SHWS, DEL SHWS, REM RPROGRAM	Higher	630, 0.119, SSE
F25	JEM PROPERTIES - 202	2024 3RD AVENUE NORT	US BROWNFIELDS	Lower	642, 0.122, NNE
F26	JEM NORTH - 2023 3RD	2023 3RD AVENUE NORT	US BROWNFIELDS	Lower	655, 0.124, NNE
F27	HALL MACHINE SHOP	301 N 20TH ST	LUST, UST	Lower	734, 0.139, NNE
F28		306 N 20TH ST	EDR US Hist Auto Stat	Lower	741, 0.140, NNE
F29	324 NORTH 20TH STREE	324 NORTH 20TH STREE	US BROWNFIELDS	Lower	785, 0.149, NNE
F30		340 N 20TH ST	EDR US Hist Auto Stat	Lower	826, 0.156, North
G31	DOLINE A STANAWAY	2122 4TH AVE N	LUST, UST	Lower	835, 0.158, NNW
H32		2201 4TH AVE N	EDR US Hist Auto Stat	Higher	838, 0.159, NW
H33		2211 4TH AVE N	EDR US Hist Auto Stat	Higher	842, 0.159, NW
G34	QUALITY CONCRETE CO	2111 4TH AVE N	LUST, UST	Lower	851, 0.161, NNW
l35	DONS CAR WASH 1ST AV	1924 1ST AVE N	LUST, UST	Lower	876, 0.166, ENE
I36		1924 1ST AVE N	EDR US Hist Auto Stat	Lower	876, 0.166, ENE
137	DOLLAR RENT A CAR	1921 1ST AVE N	LUST, UST	Lower	887, 0.168, ENE
J38	RENT A WRECK	2421 1ST AVE N	UST	Higher	903, 0.171, SW
J39	ANGRY HANKS	2405 1ST AVE NORTH	UST	Higher	904, 0.171, SW

Target Property Address: 115 N 22ND STREET BILLINGS, MT 59101

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K40	MACON SUPPLY, INC	401 NORTH 23RD STREE	US BROWNFIELDS, FINDS	Higher	939, 0.178, WNW
I41	WILCOXSONS ICE CREAM	114 N 19TH ST	LUST, UST	Lower	952, 0.180, ENE
L42	AMERICAN RENTALL	2030 4TH AVE N	RCRA NonGen / NLR	Lower	956, 0.181, North
L43	JEM NORTH - 2024/203	2030 4TH AVENUE NORT	US BROWNFIELDS	Lower	956, 0.181, North
L44	FKA CONTRACTORS EQUI	2030 4TH AVE N	LUST, UST	Lower	956, 0.181, North
145	ERNIES AUTO SALES	1901 1ST AVE N	LUST, UST	Lower	957, 0.181, ENE
146	BUNN DRUG LAB	111 N 19TH ST	RCRA NonGen / NLR	Lower	964, 0.183, ENE
47		1920 3RD AVE N	EDR US Hist Auto Stat	Lower	970, 0.184, NNE
L48	JEM NORTH - 2018 4TH	2018 4TH AVENUE NORT	US BROWNFIELDS	Lower	972, 0.184, North
K49	THE WOOD DOCTORS	2319 4TH AVE N	RCRA-CESQG	Higher	973, 0.184, WNW
50	MIDLAND WEST MINNESO	2224 MINNESOTA AVE	RCRA-CESQG	Higher	983, 0.186, SSE
M51	MONTANA RAIL LINK IN	2100 MINNESOTA AVE	UST	Lower	985, 0.187, SE
M52	YELLOW FREIGHT SYSTE	15 S 21ST ST	RCRA NonGen / NLR	Lower	1035, 0.196, SE
M53	YELLOW FREIGHT DEPOT	15 S 21ST ST	LUST, UST	Lower	1035, 0.196, SE
L54	NEAL PROPERTY - 421	421 NORTH 20TH STREE	US BROWNFIELDS	Lower	1075, 0.204, North
55	PETROLANE MIDLAND	2323 MINNESOTA AVE	UST	Higher	1094, 0.207, South
N56	EVERGREEN BUILDERS S		WQA, DEL SHWS, REM RPROGRAM	Higher	1103, 0.209, SSW
N57	HEIGHTS CONOCO		WQA, DEL SHWS, REM RPROGRAM	Higher	1103, 0.209, SSW
N58	CLOVERLEAF SUBDIVISI		WQA, DEL SHWS, REM RPROGRAM	Higher	1103, 0.209, SSW
N59	LOCKWOOD WATER USERS		WQA, DEL SHWS, REM RPROGRAM	Higher	1103, 0.209, SSW
N60	MPC CORRETTE PLANT		WQA, DEL SHWS, REM RPROGRAM	Higher	1103, 0.209, SSW
N61	CONOCO YELLOWSTONE P		WQA, DEL SHWS, REM RPROGRAM	Higher	1103, 0.209, SSW
O62		401 N 24TH ST	EDR US Hist Cleaners	Higher	1162, 0.220, WNW
63	USBR BILLINGS WAREHO	1922 MINNESOTA AVE	RCRA-CESQG	Lower	1169, 0.221, ESE
64	EMPIRE MOTORS INC	201 N 25TH ST	LUST, UST	Higher	1177, 0.223, WSW
P65	GOLDEN NUGGET BODY &	1916 4TH AVE N	RCRA-CESQG	Lower	1201, 0.227, NNE
P66	YELLOWSTONE ELECTRIC	1919 4TH AVE N	LUST, UST	Lower	1202, 0.228, NNE
Q67	STALEYS TIRE & AUTO	2503 1ST AVE N	UST	Higher	1211, 0.229, SW
Q68		2503 1ST AVE N	EDR US Hist Auto Stat	Higher	1211, 0.229, SW
69	FAMILY SERVICE INC.	1824 1ST AVENUE NORT	US BROWNFIELDS	Lower	1211, 0.229, ENE
O7 0	NORTHWEST SCIENTIFIC	421 N 24TH ST	RCRA-CESQG	Higher	1215, 0.230, WNW
071	O E LEE & CO	421 N 24TH ST	UST	Higher	1215, 0.230, WNW
72	BILLINGS GAZETTE WAR	501 N 22ND ST	RCRA NonGen / NLR	Higher	1235, 0.234, NW
Q73	DOROTHY CLINE ESTATE	2511 1ST AVE N	UST	Higher	1240, 0.235, SW
74	PREVIOUSLY HOVCO NOW	511 N 21ST ST	LUST, UST	Lower	1291, 0.245, NNW
R75		2100 1ST AVE S	EDR US Hist Auto Stat	Lower	1306, 0.247, SE
R76	GM PETROLEUM	2100 1ST AVE S	RCRA-CESQG	Lower	1306, 0.247, SE
R77	GM PETROLEUM DISTRIB	2100 1ST AVE S	UST	Lower	1306, 0.247, SE
S78	PELICAN OIL INC BILL	1819 MONTANA AVE	RCRA-CESQG	Lower	1310, 0.248, East

Target Property Address: 115 N 22ND STREET BILLINGS, MT 59101

MAP ID	SITE NAME	ADDRESS		RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
S79	GM PETROLEUM DISTRIB	1819 MONTANA AVE	LUST, UST, AST	Lower	1310, 0.248, East
T80	NEAL PROPERTY - 502	502 NORTH 20TH STREE	US BROWNFIELDS	Lower	1356, 0.257, North
81	FLIPPINS QUALITY IMP	2222 1ST AVE S	LUST	Lower	1356, 0.257, SSE
T82	NEAL PROPERTY - 504	504 NORTH 20TH STREE	US BROWNFIELDS	Lower	1363, 0.258, North
83	PINTSCH GAS CO	4TH AVE N	EDR MGP	Lower	1379, 0.261, North
S84	COMET OIL CO.	1-90	CERC-NFRAP	Lower	1404, 0.266, ENE
85	HOTSYS WY-MT PRESSUR	2304 1ST AVE SOUTH	US BROWNFIELDS	Lower	1423, 0.270, SSE
Q86	GREYHOUND LINES INC	2502 1ST AVE N	LUST, UST	Higher	1432, 0.271, SW
U87	BILLINGS DIVISION	408 N 18TH ST	LUST, UST	Lower	1541, 0.292, NNE
88	DARYL APARTMENT #447	114 N 26TH ST	LUST	Higher	1577, 0.299, SW
V89	PACIFIC HIDE & FUR B	2517 MINNESOTA AVE.	SHWS, DEL SHWS, REM RPROGRAM	Higher	1583, 0.300, SSW
V90	PACIFIC HIDE & FUR	2523 MINNESOTA AVE.	CERC-NFRAP	Higher	1599, 0.303, SSW
91	NORMS SERVICE FORMER	1724 1ST AVE N	LUST, UST	Lower	1627, 0.308, ENE
92	116 SOUTH 24TH ST	116 SOUTH 24TH ST	US BROWNFIELDS	Lower	1632, 0.309, South
U93	BILLINGS GAS CO	N 19TH STREET	EDR MGP	Lower	1633, 0.309, North
W94	WILSON DUNHAM SERVIC	2511 1ST AVE S	LUST, UST	Higher	1822, 0.345, South
W95	YELLOWSTONE COUNTY P	2512 1ST AVE S	LUST, UST	Higher	1835, 0.348, South
X96	FORMER G D EASTLICK	223 S 23RD ST	LUST, UST	Lower	1849, 0.350, SSE
X97	G D EASTLICK TRUCKIN	223 SOUTH 23RD STREE	WQA, REM RPROGRAM	Lower	1849, 0.350, SSE
98	WELLS FARGO CENTER	175 N 27TH ST	LUST, UST	Higher	1923, 0.364, SW
99	MOUNTAIN PBE SPECIAL	211 SOUTH 24TH ST	US BROWNFIELDS	Lower	1951, 0.370, South
100	NAVAL & MARINE CORPS	717 NORTH 22ND ST	LUST, UST	Higher	2041, 0.387, NW
101	MODERN MACHINERY CO	1800 6TH AVE N	LUST, UST	Lower	2064, 0.391, North
Y102	121 SOUTH 26TH ST	121 SOUTH 26TH STREE	US BROWNFIELDS	Higher	2117, 0.401, SSW
Z103	STOCKTON OIL CO 4TH	1607 4TH AVE N	LUST, UST	Lower	2214, 0.419, NNE
Z104	STOCKTON OIL CO BILL	1607 4TH AVE. NORTH	WQA, REM RPROGRAM	Lower	2214, 0.419, NNE
Z105	MCDONNELL PROPERTIES	415 NORTH 16TH STREE	US BROWNFIELDS	Lower	2268, 0.430, NNE
AA10	6 SOWLES STEEL ERECTOR	302 SOUTH 24TH ST	US BROWNFIELDS	Lower	2272, 0.430, SSE
107	HOLIDAY STATIONSTORE	2620 6TH AVE N	LUST, UST	Higher	2282, 0.432, West
AB10	8 PHILLIPS 66 COMPANY	7432 ALEXANDER RD	RCRA-TSDF, CERC-NFRAP, CORRACTS, RCRA NonGen	•	2282, 0.432, SSE
AB10	9 CONOCOPHILLIPS COMPA	401 S 23RD ST	DEL SHWS, AIRS, REM RPROGRAM	Lower	2282, 0.432, SSE
	0 PHILLIPS 66 COMPANY	401 S 23RD ST	RCRA-TSDF, CERC-NFRAP, CORRACTS, RCRA-LQG, TF		2282, 0.432, SSE
	DEERING COMMUNITY HE	123 SOUTH 27TH STREE	WQA, REM RPROGRAM	Higher	2318, 0.439, SSW
	DEERING HEALTH CLINI	123 S 27TH ST	LUST	Higher	2318, 0.439, SSW
	3MONTGOMERY WARD BILL	320 S 24TH ST	LUST, UST	Lower	2335, 0.442, SSE
	4209 SOUTH 26TH ST	209 SOUTH 26TH ST	US BROWNFIELDS	Higher	2356, 0.446, South
	5213 SOUTH 26TH ST	213 SOUTH 26TH STREE	US BROWNFIELDS	Higher	2367, 0.448, South
	6221 SOUTH 26TH ST	221 SOUTH 26TH ST	US BROWNFIELDS	Higher	2389, 0.452, South
117	FORMER SMALL DOG INV	5 S 28TH ST	LUST, UST	Higher	2409, 0.456, SW
117	I ONIVIER SIVIALE DUG INV	0.0.20111.01	L001, 001	nigner	2403, 0.430, SVV

Target Property Address: 115 N 22ND STREET BILLINGS, MT 59101

MAP				RELATIVE	DIST (ft. & mi.)
<u>ID</u>	SITE NAME	ADDRESS	DATABASE ACRONYMS	ELEVATION	DIRECTION
AD11	8PRECISION PLUMBING &	304 SOUTH 25TH ST	US BROWNFIELDS	Lower	2440, 0.462, South
119	GRIFFIN AUTOMOTIVE E	1501 2ND AVE N	LUST	Lower	2450, 0.464, NE
AD12	0ED'S HYDRAULIC JACK	317 SOUTH 25TH ST	US BROWNFIELDS, FINDS	Lower	2474, 0.469, South
121	DOWNTOWN CONOCO	2701 6TH AVE N	LUST, UST	Higher	2507, 0.475, West
AE122	2 MCDONNELL PROPERTIES	302 NORTH 15TH STREE	US BROWNFIELDS	Lower	2512, 0.476, NE
AE123	3 MCDONNELL PROPERTIES	322 NORTH 15TH STREE	US BROWNFIELDS	Lower	2527, 0.479, NE
AE124	4 MCDONNELL PROPERTIES	315 NORTH 15TH STREE	US BROWNFIELDS	Lower	2531, 0.479, NE
125	SHOWROOM AUTO BODY #	1415 1ST AVE N	LUST	Lower	2612, 0.495, ENE
126	301 SOUTH 26TH ST	301 SOUTH 26TH ST	US BROWNFIELDS	Higher	2629, 0.498, South
127	TOWN PUMP INC BILLIN	602 N 16TH ST	LUST, UST	Lower	2630, 0.498, NNE
128	MCDONNELL PROPERTIES	422 NORTH 15TH STREE	US BROWNFIELDS	Lower	2634, 0.499, NE
129	PIERCE PACKING PLANT	1420 MONTANA AVE	SHWS, REM RPROGRAM	Lower	2849, 0.540, ENE
130	CONOCO CPL WASTE DUM	CORNER OF 401 S. AND	WQA, DEL SHWS, REM RPROGRAM	Lower	4359, 0.826, SE
131	CONSOLIDATED FREIGHT	1002 THIRD AVE NORTH	WQA, DEL SHWS, REM RPROGRAM	Lower	4382, 0.830, NE
132	CENEX PIPELINE HISTO	BEHIND 841 S 26TH (U	WQA, DEL SHWS, REM RPROGRAM	Lower	4627, 0.876, SSE
133	YALE OIL OF SOUTH DA	700 FIRST AVE N	SHWS, DEL SHWS, REM RPROGRAM	Lower	4671, 0.885, ENE
134	BURLINGTON NORTHERN	IMMEDIATELY E/SE OF	SHWS, DEL SHWS, REM RPROGRAM	Higher	4756, 0.901, SW
135	BIG HORN OIL & REFIN	ON N SIDE OF 4TH AVE	SHWS, DEL SHWS, REM RPROGRAM	Lower	5057, 0.958, NE

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SWF/LF..... Solid Waste Management Facilities List

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal leaking storage tank lists

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list	
NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
NPL LIENS	Federal Superfund Liens
Federal Delisted NPL site lis	st
Delisted NPL	National Priority List Deletions
Federal CERCLIS list	
CERCLIS	. Comprehensive Environmental Response, Compensation, and Liability Information System
	Federal Facility Site Information listing
Federal RCRA generators li	st
	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
Federal institutional control	ls / engineering controls registries
	. Engineering Controls Sites List
	Sites with Institutional Controls
LUCIS	Land Use Control Information System
Federal ERNS list	
ERNS	Emergency Response Notification System
State and tribal landfill and/	or solid waste disposal site lists

State and tribal registered storage tank lists

INDIAN UST...... Underground Storage Tanks on Indian Land

FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

INST CONTROL...... Response Action List

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP......Voluntary Cleanup & Redevelopment Act Registry

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

SWRCY..... Recycling Facilities

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Hazardous Material Spills Report

Other Ascertainable Records

CONSENT..... Superfund (CERCLA) Consent Decrees

TRIS...... Toxic Chemical Release Inventory System

TSCA..... Toxic Substances Control Act

FTTS......FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS...... Integrated Compliance Information System

FINDS______Facility Index System/Facility Registry System RAATS______RCRA Administrative Action Tracking System

REM RPROGRAM...... Remediation Response Site Database

INDIAN RESERV..... Indian Reservations

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

MINES...... Abandoned and Inactive Mines Database Financial Assurance..... Financial Assurance Information Listing

COAL ASH..... Coal Ash Disposal Site Listing

LEAD SMELTERS..... Lead Smelter Sites

US AIRS...... Aerometric Information Retrieval System Facility Subsystem

EPA WATCH LIST..... EPA WATCH LIST

US FIN ASSUR..... Financial Assurance Information

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in bold italics are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there are 5 CERC-NFRAP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BURLINGTON NORTHERN	2224 MONTANA AVE	SSE 0 - 1/8 (0.119 mi.)	E23	43
PACIFIC HIDE & FUR	2523 MINNESOTA AVE.	SSW 1/4 - 1/2 (0.303 mi.)	V90	128
Lower Elevation	Address	Direction / Distance	Map ID	Page
COMET OIL CO.	1-90	ENE 1/4 - 1/2 (0.266 mi.)	S84	122
PHILLIPS 66 COMPANY PHILLIPS 66 COMPANY	7432 ALEXANDER RD 401 S 23RD ST	SSE 1/4 - 1/2 (0.432 mi.) SSE 1/4 - 1/2 (0.432 mi.)	AB108 AB110	149 659
THEEL OU COM ANT	401 0 23ND 01	GOL 1/4 - 1/2 (0.432 IIII.)	ADITO	003

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/10/2015 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PHILLIPS 66 COMPANY	7432 ALEXANDER RD	SSE 1/4 - 1/2 (0.432 mi.)	AB108	149
PHILLIPS 66 COMPANY	401 S 23RD ST	SSE 1/4 - 1/2 (0.432 mi.)	AB110	659

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 03/10/2015 has revealed that there are

2 RCRA-TSDF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PHILLIPS 66 COMPANY	7432 ALEXANDER RD	SSE 1/4 - 1/2 (0.432 mi.)	AB108	149
PHILLIPS 66 COMPANY	401 S 23RD ST	SSE 1/4 - 1/2 (0.432 mi.)	AB110	659

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/10/2015 has revealed that there are 10 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THE WOOD DOCTORS	2319 4TH AVE N	WNW 1/8 - 1/4 (0.184 mi.)	K49	80
MIDLAND WEST MINNESO	2224 MINNESOTA AVE	SSE 1/8 - 1/4 (0.186 mi.)	50	82
NORTHWEST SCIENTIFIC	421 N 24TH ST	WNW 1/8 - 1/4 (0.230 mi.)	O70	104
Lower Elevation	Address	Direction / Distance	Map ID	Page
SIGNS ETC	2015 2ND AVE N	NE 0 - 1/8 (0.097 mi.)	C15	30
TRACK SIDE BODY SHOP	2014 1ST AVE N	ENE 0 - 1/8 (0.108 mi.)	D18	37
ARTCRAFT PRINTERS	2001 1ST AVE N	ENE 0 - 1/8 (0.114 mi.)	D21	42
USBR BILLINGS WAREHO	1922 MINNESOTA AVE	ESE 1/8 - 1/4 (0.221 mi.)	63	97
GOLDEN NUGGET BODY &	1916 4TH AVE N	NNE 1/8 - 1/4 (0.227 mi.)	P65	98
GM PETROLEUM	2100 1ST AVE S	SE 1/8 - 1/4 (0.247 mi.)	R76	110
PELICAN OIL INC BILL	1819 MONTANA AVE	E 1/8 - 1/4 (0.248 mi.)	S78	112

State- and tribal - equivalent NPL

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's Non-NPL Sites for Montana.

A review of the SHWS list, as provided by EDR, and dated 05/31/2015 has revealed that there are 6 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BURLINGTON NORTHERN	2224 MONTANA AVE	SSE 0 - 1/8 (0.119 mi.)	E24	44
PACIFIC HIDE & FUR B	2517 MINNESOTA AVE.	SSW 1/4 - 1/2 (0.300 mi.)	V89	127
BURLINGTON NORTHERN	IMMEDIATELY E/SE OF	SW 1/2 - 1 (0.901 mi.)	134	779
Lower Elevation	Address	Direction / Distance	Map ID	Page
PIERCE PACKING PLANT	1420 MONTANA AVE	ENE 1/2 - 1 (0.540 mi.)	129	772

Lower Elevation	Address	Direction / Distance	Map ID	Page
YALE OIL OF SOUTH DA	700 FIRST AVE N	ENE 1/2 - 1 (0.885 mi.)	133	776
BIG HORN OIL & REFIN	ON N SIDE OF 4TH AVE	NE 1/2 - 1 (0.958 mi.)	135	781

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank List for Montana.

A review of the LUST list, as provided by EDR, and dated 01/26/2015 has revealed that there are 35 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EMPIRE MOTORS INC Facility Id: 5608351 Active Sites: Yes	201 N 25TH ST	WSW 1/8 - 1/4 (0.223 mi.)	64	98
GREYHOUND LINES INC Facility Id: 5603095 Active Sites: Yes	2502 1ST AVE N	SW 1/4 - 1/2 (0.271 mi.)	Q86	125
DARYL APARTMENT #447 Facility Id: 6015028 Active Sites: No	114 N 26TH ST	SW 1/4 - 1/2 (0.299 mi.)	88	126
WILSON DUNHAM SERVIC Facility Id: 5607756 Active Sites: No	2511 1ST AVE S	S 1/4 - 1/2 (0.345 mi.)	W94	132
YELLOWSTONE COUNTY P Facility Id: 5613850 Active Sites: No	2512 1ST AVE S	S 1/4 - 1/2 (0.348 mi.)	W95	133
WELLS FARGO CENTER Facility Id: 5613972 Active Sites: Yes	175 N 27TH ST	SW 1/4 - 1/2 (0.364 mi.)	98	135
NAVAL & MARINE CORPS Facility Id: 5607782 Active Sites: Yes	717 NORTH 22ND ST	NW 1/4 - 1/2 (0.387 mi.)	100	138
HOLIDAY STATIONSTORE Facility Id: 5608062 Active Sites: No Active Sites: Yes	2620 6TH AVE N	W 1/4 - 1/2 (0.432 mi.)	107	147
DEERING HEALTH CLINI Facility Id: 9995069 Active Sites: Yes	123 S 27TH ST	SSW 1/4 - 1/2 (0.439 mi.)	Y112	745
FORMER SMALL DOG INV Facility Id: 5614111 Active Sites: Yes	5 S 28TH ST	SW 1/4 - 1/2 (0.456 mi.)	117	753
DOWNTOWN CONOCO Facility Id: 5606967 Active Sites: Yes	2701 6TH AVE N	W 1/4 - 1/2 (0.475 mi.)	121	758
Lower Elevation	Address	Direction / Distance	Map ID	Page
HANCOCK PROPERTIES	2123 1ST AVE N	ESE 0 - 1/8 (0.049 mi.)	A1	7

Facility Id: 5600052 Active Sites: No				
AAA TRANSMISSION CO Facility Id: 5613845 Active Sites: No	2122 1ST AVE N	ESE 0 - 1/8 (0.052 mi.)	A5	11
HALL MACHINE SHOP Facility Id: 5602017 Active Sites: No	301 N 20TH ST	NNE 1/8 - 1/4 (0.139 mi.)	F27	56
DOLINE A STANAWAY Facility Id: 5613669 Active Sites: No	2122 4TH AVE N	NNW 1/8 - 1/4 (0.158 mi.)	G31	60
QUALITY CONCRETE CO Facility Id: 5606137 Active Sites: Yes	2111 4TH AVE N	NNW 1/8 - 1/4 (0.161 mi.)	G34	62
DONS CAR WASH 1ST AV Facility Id: 5606956 Active Sites: No	1924 1ST AVE N	ENE 1/8 - 1/4 (0.166 mi.)	<i>1</i> 35	62
DOLLAR RENT A CAR Facility Id: 5613982 Active Sites: Yes	1921 1ST AVE N	ENE 1/8 - 1/4 (0.168 mi.)	137	63
WILCOXSONS ICE CREAM Facility Id: 5605935 Active Sites: Yes	114 N 19TH ST	ENE 1/8 - 1/4 (0.180 mi.)	I41	67
FKA CONTRACTORS EQUI Facility Id: 5606752 Active Sites: No	2030 4TH AVE N	N 1/8 - 1/4 (0.181 mi.)	L44	73
ERNIES AUTO SALES Facility Id: 5613967 Active Sites: No	1901 1ST AVE N	ENE 1/8 - 1/4 (0.181 mi.)	<i>145</i>	74
YELLOW FREIGHT DEPOT Facility Id: 5602627 Active Sites: No	15 S 21ST ST	SE 1/8 - 1/4 (0.196 mi.)	M53	87
YELLOWSTONE ELECTRIC Facility Id: 5604981 Active Sites: No	1919 4TH AVE N	NNE 1/8 - 1/4 (0.228 mi.)	P66	100
PREVIOUSLY HOVCO NOW Facility Id: 5607754 Active Sites: No	511 N 21ST ST	NNW 1/8 - 1/4 (0.245 mi.)	74	109
GM PETROLEUM DISTRIB Facility Id: 5605861 Active Sites: Yes	1819 MONTANA AVE	E 1/8 - 1/4 (0.248 mi.)	S79	115
FLIPPINS QUALITY IMP Facility Id: 5610250 Active Sites: Yes	2222 1ST AVE S	SSE 1/4 - 1/2 (0.257 mi.)	81	119
BILLINGS DIVISION Facility Id: 5609401 Active Sites: Yes	408 N 18TH ST	NNE 1/4 - 1/2 (0.292 mi.)	U87	126
NORMS SERVICE FORMER Facility Id: 5608596	1724 1ST AVE N	ENE 1/4 - 1/2 (0.308 mi.)	91	129

223 S 23RD ST	SSE 1/4 - 1/2 (0.350 mi.)	X96	134
800 6TH AVE N	N 1/4 - 1/2 (0.391 mi.)	101	139
1607 4TH AVE N	NNE 1/4 - 1/2 (0.419 mi.)	Z103	141
220 S 24TH ST	SSE 1/4 - 1/2 (0.442 mi.)	AA113	745
501 2ND AVE N	NE 1/4 - 1/2 (0.464 mi.)	119	756
415 1ST AVE N	ENE 1/4 - 1/2 (0.495 mi.)	125	766
602 N 16TH ST	NNE 1/4 - 1/2 (0.498 mi.)	127	769
,	800 6TH AVE N 607 4TH AVE N 20 S 24TH ST 501 2ND AVE N 415 1ST AVE N	800 6TH AVE N N 1/4 - 1/2 (0.391 mi.) 607 4TH AVE N NNE 1/4 - 1/2 (0.419 mi.) 20 S 24TH ST SSE 1/4 - 1/2 (0.442 mi.) 501 2ND AVE N NE 1/4 - 1/2 (0.464 mi.) 415 1ST AVE N ENE 1/4 - 1/2 (0.495 mi.)	800 6TH AVE N N 1/4 - 1/2 (0.391 mi.) 101 607 4TH AVE N NNE 1/4 - 1/2 (0.419 mi.) Z103 20 S 24TH ST SSE 1/4 - 1/2 (0.442 mi.) AA113 501 2ND AVE N NE 1/4 - 1/2 (0.464 mi.) 119 415 1ST AVE N ENE 1/4 - 1/2 (0.495 mi.) 125

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Statewide UST List.

A review of the UST list, as provided by EDR, and dated 01/30/2015 has revealed that there are 24 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DON LEE FORMER SERVI Open or Closed?: CLOSE Facility Id: 6015082	2301 1ST AVE N	SSW 0 - 1/8 (0.088 mi.)	B11	25
RENT A WRECK Open or Closed?: CLOSE Facility Id: 5611069	2421 1ST AVE N	SW 1/8 - 1/4 (0.171 mi.)	J38	64
ANGRY HANKS Open or Closed?: CLOSE Facility Id: 6015236	2405 1ST AVE NORTH	SW 1/8 - 1/4 (0.171 mi.)	J39	64
PETROLANE MIDLAND Open or Closed?: CLOSE Facility Id: 5602578	2323 MINNESOTA AVE	S 1/8 - 1/4 (0.207 mi.)	55	90
EMPIRE MOTORS INC Open or Closed?: CLOSE Facility Id: 5608351	201 N 25TH ST	WSW 1/8 - 1/4 (0.223 mi.)	64	98
STALEYS TIRE & AUTO	2503 1ST AVE N	SW 1/8 - 1/4 (0.229 mi.)	Q67	101

Open or Closed?: CLOSE Facility Id: 5605860					
O E LEE & CO Open or Closed?: CLOSE Facility Id: 5609475	421 N 24TH ST		WNW 1/8 - 1/4 (0.230 mi.)	O71	106
DOROTHY CLINE ESTATE Open or Closed?: CLOSE Facility Id: 5612407	2511 1ST AVE N		SW 1/8 - 1/4 (0.235 mi.)	Q73	109
Lower Elevation	Address		Direction / Distance	Map ID	Page
HANCOCK PROPERTIES Open or Closed?: CLOSE Facility Id: 5600052	2123 1ST AVE N		ESE 0 - 1/8 (0.049 mi.)	A1	7
AAA TRANSMISSION CO Open or Closed?: CLOSE Facility Id: 5613845	2122 1ST AVE N		ESE 0 - 1/8 (0.052 mi.)	A5	11
HALL MACHINE SHOP Open or Closed?: CLOSE Facility Id: 5602017	301 N 20TH ST		NNE 1/8 - 1/4 (0.139 mi.)	F27	56
DOLINE A STANAWAY Open or Closed?: CLOSE Facility Id: 5613669	2122 4TH AVE N		NNW 1/8 - 1/4 (0.158 mi.)	G31	60
QUALITY CONCRETE CO Open or Closed?: CLOSE Facility Id: 5606137	2111 4TH AVE N		NNW 1/8 - 1/4 (0.161 mi.)	G34	62
DONS CAR WASH 1ST AV Open or Closed?: OPEN Facility Id: 5606956	1924 1ST AVE N		ENE 1/8 - 1/4 (0.166 mi.)	<i>1</i> 35	62
DOLLAR RENT A CAR Open or Closed?: CLOSE Facility Id: 5613982	1921 1ST AVE N		ENE 1/8 - 1/4 (0.168 mi.)	<i>1</i> 37	63
WILCOXSONS ICE CREAM Open or Closed?: CLOSE Facility Id: 5605935	114 N 19TH ST		ENE 1/8 - 1/4 (0.180 mi.)	I41	67
FKA CONTRACTORS EQUI Open or Closed?: CLOSE Facility Id: 5606752	2030 4TH AVE N		N 1/8 - 1/4 (0.181 mi.)	L44	73
ERNIES AUTO SALES Open or Closed?: CLOSE Facility ld: 5613967	1901 1ST AVE N		ENE 1/8 - 1/4 (0.181 mi.)	<i>1</i> 45	74
MONTANA RAIL LINK IN Open or Closed?: CLOSE Facility Id: 5614079	2100 MINNESOTA A	VE	SE 1/8 - 1/4 (0.187 mi.)	M51	85
YELLOW FREIGHT DEPOT Open or Closed?: CLOSE Facility Id: 5602627	15 S 21ST ST		SE 1/8 - 1/4 (0.196 mi.)	M53	87
YELLOWSTONE ELECTRIC Open or Closed?: CLOSE Facility Id: 5604981	1919 4TH AVE N		NNE 1/8 - 1/4 (0.228 mi.)	P66	100
PREVIOUSLY HOVCO NOW	511 N 21ST ST		NNW 1/8 - 1/4 (0.245 mi.)	74	109

Open or Closed?: CLOSE Facility Id: 5607754				
GM PETROLEUM DISTRIB Open or Closed?: OPEN Facility Id: 5606962	2100 1ST AVE S	SE 1/8 - 1/4 (0.247 mi.)	R77	111
GM PETROLEUM DISTRIB Open or Closed?: CLOSE Facility Id: 5605861	1819 MONTANA AVE	E 1/8 - 1/4 (0.248 mi.)	S79	115

AST: A listing of AST site locations that have applied for assistance from the fund. The Board and the Petroleum Tank Release Cleanup Fund (Fund) were established by the 1989 Montana Legislature to provide adequate financial resources and effective procedures through which tank owners and operators may undertake, and be reimbursed for, cleanup of petroleum contamination and payment to third parties for damages caused by releases from petroleum storage tanks; to assist tank owners and operators in meeting financial assurance requirements under state and federal law governing operation of petroleum storage tanks; to assist in protecting public health and safety and the environment by providing cleanup of petroleum tank releases; and to provide tank owners with incentives to improve petroleum storage tank facilities in order to minimize the likelihood of accidental releases.

A review of the AST list, as provided by EDR, and dated 06/02/2015 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GM PETROLEUM DISTRIB Facility Id: 5605861	1819 MONTANA AVE	E 1/8 - 1/4 (0.248 mi.)	S79	115

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 03/23/2015 has revealed that there are 32 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MACON SUPPLY, INC	401 NORTH 23RD STREE	WNW 1/8 - 1/4 (0.178 mi.)	K40	64
121 SOUTH 26TH ST	121 SOUTH 26TH STREE	SSW 1/4 - 1/2 (0.401 mi.)	Y102	139
209 SOUTH 26TH ST	209 SOUTH 26TH ST	S 1/4 - 1/2 (0.446 mi.)	AC114	746
213 SOUTH 26TH ST	213 SOUTH 26TH STREE	S 1/4 - 1/2 (0.448 mi.)	AC115	748
221 SOUTH 26TH ST	221 SOUTH 26TH ST	S 1/4 - 1/2 (0.452 mi.)	AC116	750
301 SOUTH 26TH ST	301 SOUTH 26TH ST	S 1/4 - 1/2 (0.498 mi.)	126	766
Lower Elevation	Address	Direction / Distance	Map ID	Page
AA TRANSMISSION	2122 1ST AVE. NORTH	ESE 0 - 1/8 (0.052 mi.)	A4	9
RENT-A-WRECK	2110 1ST AVENUE NORT	E 0 - 1/8 (0.060 mi.)	A6	12
BARGREEN ELLINGSON P	2109 1ST AVENUE NORT	E 0 - 1/8 (0.060 mi.)	A9	21

Lower Elevation	Address	Direction / Distance	Map ID	Page
JEM PROPERTIES - 202	2021 2ND AVENUE NORT	NE 0 - 1/8 (0.093 mi.)	C13	25
JEM PROPERTIES - 201	2015 2ND AVENUE NORT	NE 0 - 1/8 (0.097 mi.)	C16	31
JEM PROPERTIES - 220	220 NORTH 20TH STREE	NE 0 - 1/8 (0.109 mi.)	C20	40
JEM PROPERTIES - 202	2024 3RD AVENUE NORT	NNE 0 - 1/8 (0.122 mi.)	F25	45
JEM NORTH - 2023 3RD	2023 3RD AVENUE NORT	NNE 0 - 1/8 (0.124 mi.)	F26	50
324 NORTH 20TH STREE	324 NORTH 20TH STREE	NNE 1/8 - 1/4 (0.149 mi.)	F29	57
JEM NORTH - 2024/203	2030 4TH AVENUE NORT	N 1/8 - 1/4 (0.181 mi.)	L43	68
JEM NORTH - 2018 4TH	2018 4TH AVENUE NORT	N 1/8 - 1/4 (0.184 mi.)	L48	76
NEAL PROPERTY - 421	421 NORTH 20TH STREE	N 1/8 - 1/4 (0.204 mi.)	L54	87
FAMILY SERVICE INC.	1824 1ST AVENUE NORT	ENE 1/8 - 1/4 (0.229 mi.)	69	101
NEAL PROPERTY - 502	502 NORTH 20TH STREE	N 1/4 - 1/2 (0.257 mi.)	T80	116
NEAL PROPERTY - 504	504 NORTH 20TH STREE	N 1/4 - 1/2 (0.258 mi.)	T82	119
HOTSYS WY-MT PRESSUR	2304 1ST AVE SOUTH	SSE 1/4 - 1/2 (0.270 mi.)	85	123
116 SOUTH 24TH ST	116 SOUTH 24TH ST	S 1/4 - 1/2 (0.309 mi.)	92	130
MOUNTAIN PBE SPECIAL	211 SOUTH 24TH ST	S 1/4 - 1/2 (0.370 mi.)	99	136
MCDONNELL PROPERTIES	415 NORTH 16TH STREE	NNE 1/4 - 1/2 (0.430 mi.)	Z105	143
SOWLES STEEL ERECTOR	302 SOUTH 24TH ST	SSE 1/4 - 1/2 (0.430 mi.)	AA106	145
PRECISION PLUMBING &	304 SOUTH 25TH ST	S 1/4 - 1/2 (0.462 mi.)	AD118	753
ED'S HYDRAULIC JACK	317 SOUTH 25TH ST	S 1/4 - 1/2 (0.469 mi.)	AD120	<i>7</i> 56
MCDONNELL PROPERTIES	302 NORTH 15TH STREE	NE 1/4 - 1/2 (0.476 mi.)	AE122	759
MCDONNELL PROPERTIES	322 NORTH 15TH STREE	NE 1/4 - 1/2 (0.479 mi.)	AE123	761
MCDONNELL PROPERTIES	315 NORTH 15TH STREE	NE 1/4 - 1/2 (0.479 mi.)	AE124	764
MCDONNELL PROPERTIES	422 NORTH 15TH STREE	NE 1/4 - 1/2 (0.499 mi.)	128	769

Local Lists of Hazardous waste / Contaminated Sites

DEL SHWS: A list of sites that have been delisted from the CECRA Priority List.

A review of the DEL SHWS list, as provided by EDR, and dated 05/31/2015 has revealed that there are 15 DEL SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BURLINGTON NORTHERN	2224 MONTANA AVE	SSE 0 - 1/8 (0.119 mi.)	E24	44
EVERGREEN BUILDERS S		SSW 1/8 - 1/4 (0.209 mi.)	N56	90
HEIGHTS CONOCO		SSW 1/8 - 1/4 (0.209 mi.)	N57	91
CLOVERLEAF SUBDIVISI		SSW 1/8 - 1/4 (0.209 mi.)	N58	92
LOCKWOOD WATER USERS		SSW 1/8 - 1/4 (0.209 mi.)	N59	93
MPC CORRETTE PLANT		SSW 1/8 - 1/4 (0.209 mi.)	N60	94
CONOCO YELLOWSTONE P		SSW 1/8 - 1/4 (0.209 mi.)	N61	95
PACIFIC HIDE & FUR B	2517 MINNESOTA AVE.	SSW 1/4 - 1/2 (0.300 mi.)	V89	127
BURLINGTON NORTHERN	IMMEDIATELY E/SE OF	SW 1/2 - 1 (0.901 mi.)	134	779
Lower Elevation	Address	Direction / Distance	Map ID	Page
CONOCOPHILLIPS COMPA	401 S 23RD ST	SSE 1/4 - 1/2 (0.432 mi.)	AB109	180
CONOCO CPL WASTE DUM	CORNER OF 401 S. AND	SE 1/2 - 1 (0.826 mi.)	130	773
CONSOLIDATED FREIGHT	1002 THIRD AVE NORTH	NE 1/2 - 1 (0.830 mi.)	131	774
CENEX PIPELINE HISTO	BEHIND 841 S 26TH (U	SSE 1/2 - 1 (0.876 mi.)	132	775
YALE OIL OF SOUTH DA	700 FIRST AVE N	ENE 1/2 - 1 (0.885 mi.)	133	776
BIG HORN OIL & REFIN	ON N SIDE OF 4TH AVE	NE 1/2 - 1 (0.958 mi.)	135	781

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/10/2015 has revealed that there are 8 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BILLINGS GAZETTE WAR	501 N 22ND ST	NW 1/8 - 1/4 (0.234 mi.)	72	106
Lower Elevation	Address	Direction / Distance	Map ID	Page
TIRE RAMA	2123 1ST AVE N	ESE 0 - 1/8 (0.049 mi.)	A2	7
COMPUTERS4KIDS & NUT	2110 1ST AVE N	E 0 - 1/8 (0.060 mi.)	A8	14
FENSKE PRINTING INCO	2120 3RD AVE N	NNW 0 - 1/8 (0.087 mi.)	10	23
SMITH & JONES DATSUN	2015 1ST AVE N	ENE 0 - 1/8 (0.107 mi.)	D17	36
AMERICAN RENTALL	2030 4TH AVE N	N 1/8 - 1/4 (0.181 mi.)	L42	67
BUNN DRUG LAB	111 N 19TH ST	ENE 1/8 - 1/4 (0.183 mi.)	I46	74
YELLOW FREIGHT SYSTE	15 S 21ST ST	SE 1/8 - 1/4 (0.196 mi.)	M52	85

WQA: Sites regulated under the Montana Water Quality Act (WQA) are addressed by the Groundwater Remediation Program. These sites typically require long-term soil, surface water, and/or groundwater remediation and and monitoring. This program addresses sites that are not addressed by the Leaking Underground Storage Tank Program, CECRA Program, Permitting and Compliance Division, or other state authorities.

A review of the WQA list, as provided by EDR, and dated 05/31/2015 has revealed that there are 9 WQA sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EVERGREEN BUILDERS S		SSW 1/8 - 1/4 (0.209 mi.)	N56	90
HEIGHTS CONOCO		SSW 1/8 - 1/4 (0.209 mi.)	N57	91
CLOVERLEAF SUBDIVISI		SSW 1/8 - 1/4 (0.209 mi.)	N58	92
LOCKWOOD WATER USERS		SSW 1/8 - 1/4 (0.209 mi.)	N59	93
MPC CORRETTE PLANT		SSW 1/8 - 1/4 (0.209 mi.)	N60	94
CONOCO YELLOWSTONE P		SSW 1/8 - 1/4 (0.209 mi.)	N61	95
DEERING COMMUNITY HE	123 SOUTH 27TH STREE	SSW 1/4 - 1/2 (0.439 mi.)	Y111	744
Lower Elevation	Address	Direction / Distance	Map ID	Page
G D EASTLICK TRUCKIN	223 SOUTH 23RD STREE	SSE 1/4 - 1/2 (0.350 mi.)	X97	134
STOCKTON OIL CO BILL	1607 4TH AVE. NORTH	NNE 1/4 - 1/2 (0.419 mi.)	Z104	142

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 2 EDR MGP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PINTSCH GAS CO	4TH AVE N	N 1/4 - 1/2 (0.261 mi.)	83	121
BILLINGS GAS CO	N 19TH STREET	N 1/4 - 1/2 (0.309 mi.)	U93	132

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 14 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2301 1ST AVE N	SSW 0 - 1/8 (0.091 mi.)	B12	25
Not reported	2201 4TH AVE N	NW 1/8 - 1/4 (0.159 mi.)	H32	60
Not reported	2211 4TH AVE N	NW 1/8 - 1/4 (0.159 mi.)	H33	61
Not reported	2503 1ST AVE N	SW 1/8 - 1/4 (0.229 mi.)	Q68	101
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2122 1ST AVE N	ESE 0 - 1/8 (0.052 mi.)	A3	8
Not reported	2110 1ST AVE N	E 0 - 1/8 (0.060 mi.)	A7	14
Not reported	2015 2ND AVE N	NE 0 - 1/8 (0.097 mi.)	C14	30
Not reported	2012 1ST AVE N	ENE 0 - 1/8 (0.109 mi.)	D19	39
Not reported	2121 MONTANA AVE	SE 0 - 1/8 (0.116 mi.)	22	43
Not reported	306 N 20TH ST	NNE 1/8 - 1/4 (0.140 mi.)	F28	56
Not reported	340 N 20TH ST	N 1/8 - 1/4 (0.156 mi.)	F30	59
Not reported	1924 1ST AVE N	ENE 1/8 - 1/4 (0.166 mi.)	136	63
Not reported	1920 3RD AVE N	NNE 1/8 - 1/4 (0.184 mi.)	47	76
Not reported	2100 1ST AVE S	SE 1/8 - 1/4 (0.247 mi.)	R75	110

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there is 1 EDR US Hist Cleaners site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	401 N 24TH ST	WNW 1/8 - 1/4 (0.220 mi.)	O62	96

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

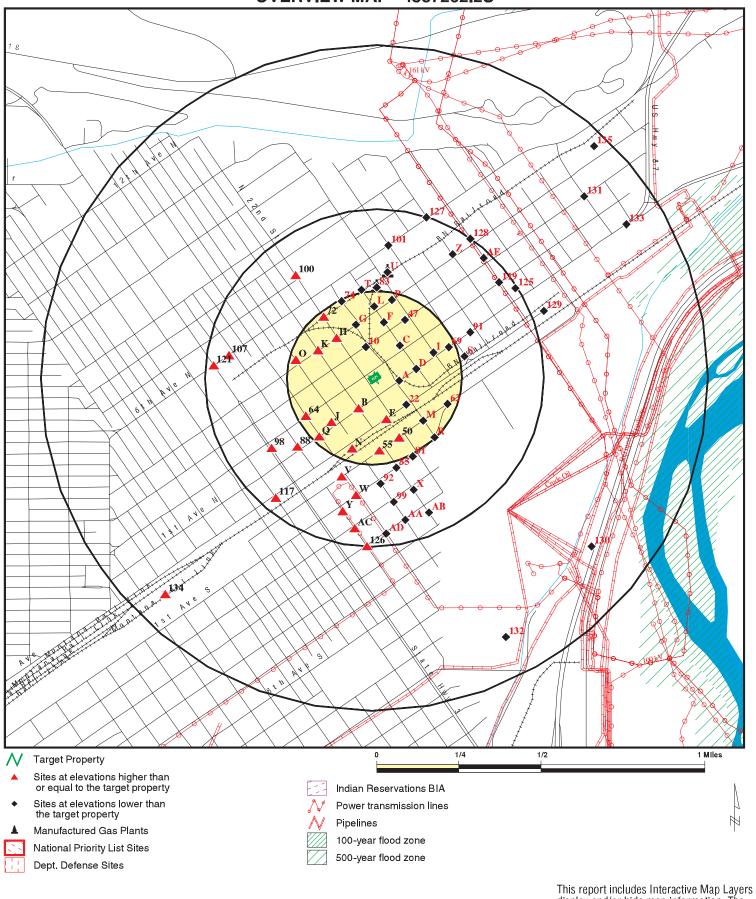
Site Name Database(s)

YALE OIL OF SOUTH DAKOTA USTFIELDS PROJECT #4502

CERC-NFRAP

LUST

OVERVIEW MAP - 4387262.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

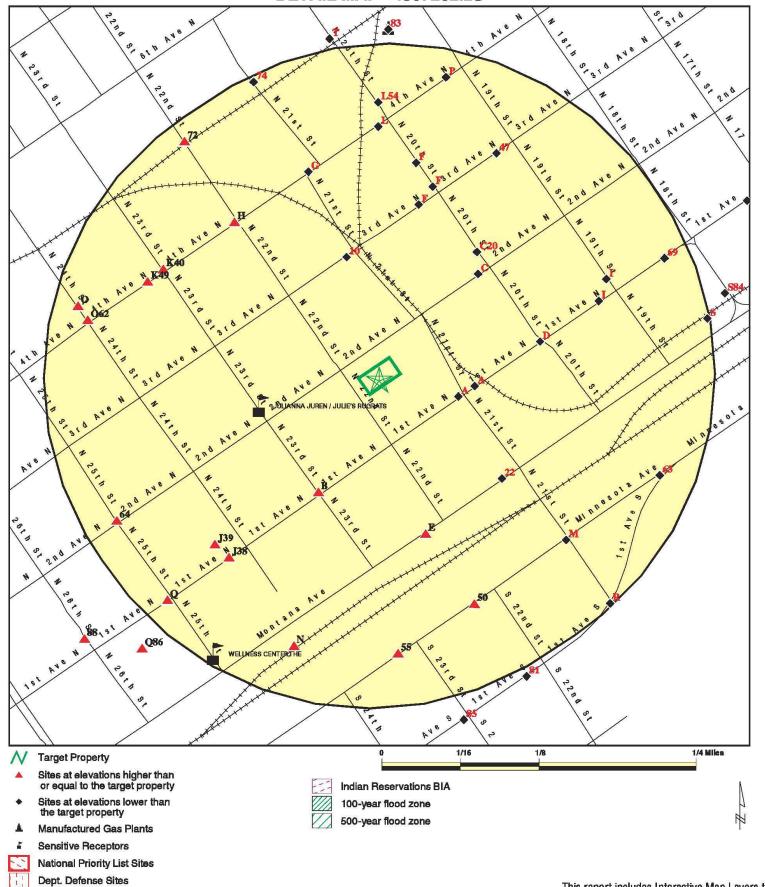
 SITE NAME:
 Kraft Properties
 CLIENT:
 NewFields

 ADDRESS:
 115 N 22nd Street
 CONTACT:
 Tyler Etzel

 Billings MT 59101
 INQUIRY #: 4387262.2s

 LAT/LONG:
 45.7864 / 108.4986
 DATE:
 August 18, 2015 6:57 pm

DETAIL MAP - 4387262.2S



This report includes Interactive Map Layers to display and/or hide map Information. The legend includes only those icons for the default map view.

SITE NAME: Kraft Properties ADDRESS: 115 N 22nd Street Billings MT 59101 LAT/LONG: 45.7864 / 108.4986 CLIENT: NewFields CONTACT: Tyler Etzel INQUIRY #: 4387262.2s

DATE: August 18, 2015 6:57 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted	
STANDARD ENVIRONMENT	TAL RECORDS								
Federal NPL site list									
NPL Proposed NPL NPL LIENS	1.000 1.000 TP		0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0	
Federal Delisted NPL site	e list								
Delisted NPL	1.000		0	0	0	0	NR	0	
Federal CERCLIS list									
CERCLIS FEDERAL FACILITY	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0	
Federal CERCLIS NFRAP site List									
CERC-NFRAP	0.500		1	0	4	NR	NR	5	
Federal RCRA CORRACTS facilities list									
CORRACTS	1.000		0	0	2	0	NR	2	
Federal RCRA non-CORRACTS TSD facilities list									
RCRA-TSDF	0.500		0	0	2	NR	NR	2	
Federal RCRA generators list									
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 3	0 0 7	NR NR NR	NR NR NR	NR NR NR	0 0 10	
Federal institutional controls / engineering controls registries									
US ENG CONTROLS US INST CONTROL LUCIS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0	
Federal ERNS list									
ERNS	TP		NR	NR	NR	NR	NR	0	
State- and tribal - equivalent NPL									
SHWS	1.000		1	0	1	4	NR	6	
State and tribal landfill and/or solid waste disposal site lists									
SWF/LF	0.500		0	0	0	NR	NR	0	
State and tribal leaking storage tank lists									
LUST INDIAN LUST	0.500 0.500		2 0	13 0	20 0	NR NR	NR NR	35 0	
State and tribal registered storage tank lists									
UST	0.250		3	21	NR	NR	NR	24	

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST INDIAN UST FEMA UST	0.250 0.250 0.250		0 0 0	1 0 0	NR NR NR	NR NR NR	NR NR NR	1 0 0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		8	6	18	NR	NR	32
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI DEBRIS REGION 9 SWRCY INDIAN ODI	0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL DEL SHWS CDL HIST CDL US HIST CDL	TP 1.000 TP TP TP		NR 1 NR NR NR	NR 6 NR NR NR	NR 2 NR NR NR	NR 6 NR NR NR	NR NR NR NR NR	0 15 0 0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS SPILLS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Records								
RCRA NonGen / NLR DOT OPS DOD FUDS CONSENT ROD UMTRA	0.250 TP 1.000 1.000 1.000 1.000 0.500		4 NR 0 0 0 0	4 NR 0 0 0 0	NR NR 0 0 0 0	NR NR 0 0 0 0 NR	NR NR NR NR NR NR	8 0 0 0 0 0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	> 1	Total Plotted
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	Ö
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS RADINFO	TP TP		NR NR	NR	NR	NR NR	NR NR	0
FINDS	TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
WQA	0.500		0	6	3	NR	NR	9
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
REM RPROGRAM	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
COAL ASH LEAD SMELTERS	0.500 TP		0 ND	0 ND	0 ND	NR NB	NR NB	0
US AIRS	TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	Τ̈́P		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	Ő
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	Ō
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICA	AL RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	2	0	NR	2
EDR US Hist Auto Stat	0.250		6	8	NR	NR	NR	14
EDR US Hist Cleaners	0.250		0	1	NR	NR	NR	1
EDR RECOVERED GOVERN	MENT ARCHIV	/ES						
Exclusive Recovered Go	ovt. Archives							
RGA LUST	TP		NR	NR	NR	NR	NR	0
RGA HWS	TP		NR	NR	NR	NR	NR	Ö
- Totals		0	29	73	54	10	0	166

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

Α1 HANCOCK PROPERTIES LUST U003363922 **ESE** 2123 1ST AVE N UST N/A

BILLINGS, MT < 1/8

0.049 mi.

261 ft. Site 1 of 9 in cluster A

LUST: Relative:

Facility ID: 5600052 Lower Federally Regulated: Yes

Actual: Release ID: 1956 3119 ft. Date of Release: 07/29/1992 Fund Eligible: Not reported

Active Site: No

Transfer Agency Lead: Not reported Transfer Date: Not reported EPA Lead: Not reported 05/26/2010 Date Resolved: Latitude: 45.78627 Longitude: -108.49853

Lat/Long Method: Map Interpolation High Quality

Detail as of 06/16/2014:

5.0 - Pending Closure Priority:

DEQ Project Manager: Raty, John (18983)

UST:

5600052 Facility ID: Active Tanks: Not reported

Inactive Tanks:

Open/Closed?: CLOSE

A2 TIRE RAMA RCRA NonGen / NLR 1000692583 **ESE** 2123 1ST AVE N MTD986072056

< 1/8 BILLINGS, MT 59103

0.049 mi.

Site 2 of 9 in cluster A 261 ft.

RCRA NonGen / NLR: Relative:

Lower Date form received by agency: 06/18/1992 Facility name: TIRE RAMA Actual: Facility address: 2123 1ST AVE N

3119 ft. BILLINGS, MT 59103

EPA ID: MTD986072056 Mailing address: PO BOX 2419 BILLINGS, MT 59103

DAVE WEHR

Contact: PO BOX 2419 Contact address: BILLINGS, MT 59103

US

Contact country: Contact telephone:

(406) 245-4006 Contact email: Not reported

EPA Region: 80

Classification:

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: TIRE RAMA Owner/operator address: P.O. BOX 2419

BILLINGS, MT 59103

Direction Distance

Elevation Site Database(s) EPA ID Number

TIRE RAMA (Continued) 1000692583

Owner/operator country:
Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:

Not reported
Owner
Owner
Not reported
Not reported
Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

. Waste code: D001

. Waste name: IGNITABLE WASTE

Violation Status: No violations found

< 1/8 0.052 mi. 2122 1ST AVE N BILLINGS, MT 59101

272 ft. Site 3 of 9 in cluster A

Relative: EDR Historical Auto Stations:

Lower Name: AAA TRANSMISSIONS

Year: 1999

Actual: Address: 2122 1ST AVE N 3119 ft.

Name: AAA TRANSMISSIONS

Year: 2000

Address: 2122 1ST AVE N

Name: AA TRANSMISSION

Year: 2007

Address: 2122 1ST AVE N

Name: PERFORMANCE AUTOMATIC TRANS

Year: 2010

Address: 2122 1ST AVE N

Name: TRANSMISSIONS AA

Year: 2011

Address: 2122 1ST AVE N

Name: AA TRANSMISSION & AUTO REPAIR

Year: 2012

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

(Continued) 1015324181

Address: 2122 1ST AVE N

US BROWNFIELDS 1014477103 Α4 **AA TRANSMISSION ESE**

2122 1ST AVE. NORTH NA N/A

BILLINGS, MT 59101 < 1/8 0.052 mi.

272 ft. Site 4 of 9 in cluster A

US BROWNFIELDS: Relative:

Recipient name: Big Sky Economic Development Authority Lower

Grant type: Assessment

Actual: AA TRANSMISSION Property name: 3119 ft. Property #: 03-1033-33-3-15-10-0000

> Parcel size: .16

Property Description: Property use includes transmission and automotive repairs and

historic uses have included commercial operation as an automobile

repair facility.

Latitude: 45.785656 -108.497905 Longitude:

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Center of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 108722 Start date: Not reported Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported

Assessment funding: 5221

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Not reported Redev. funding source: Not reported Redev. funding entity name: Redevelopment start date: Not reported Assessment funding entity: **EPA** Cleanup funding entity: Not reported

Grant type: Н

Accomplishment type: Phase I Environmental Assessment

Accomplishment count:

Cooperative agreement #: 97858101 Ownership entity: Private

Current owner: Dan and Tanya Bedford

Did owner change: Cleanup required: No Video available: No Photo available: Yes Institutional controls required: Ν

IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported Not reported IC cat. enforcement permit tools: Not reported IC in place date: IC in place: Not reported State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

AA TRANSMISSION (Continued)

1014477103

EDR ID Number

Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Not reported Groundwater affected: Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected:

No media affected: Y

Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported Not reported Other contaminants found: Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported Not reported PCBs found: PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported

Past use commercial acreage: .17

Past use industrial acreage:

Future use greenspace acreage:

Future use residential acreage:

Future use commercial acreage:

Future use industrial acreage:

Not reported

Not reported

Not reported

Not reported

Not reported

Superfund Fed. landowner flag: N

Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AA TRANSMISSION (Continued)

1014477103

Chromium contaminant found: Not reported Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

LUST Α5 **AAA TRANSMISSION CO** U003364267 **ESE** 2122 1ST AVE N UST N/A

< 1/8 **BILLINGS, MT**

0.052 mi.

Actual:

3119 ft.

Site 5 of 9 in cluster A 272 ft.

LUST: Relative:

Facility ID: 5613845 Lower Federally Regulated: Yes

> Release ID: 3639 01/06/1999 Date of Release: Fund Eligible: Not reported

> > **Active Site:** No

Transfer Agency Lead: Not reported Transfer Date: Not reported EPA Lead: Not reported Date Resolved: 11/06/2002 Latitude: 45.786296 Longitude: -108.497186

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Not reported DEQ Project Manager: Raty, John (18983)

UST:

Facility ID: 5613845 Active Tanks: Not reported

Inactive Tanks: **CLOSE** Open/Closed?:

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

A6 **RENT-A-WRECK US BROWNFIELDS** 1014781928 N/A

East 2110 1ST AVENUE NORTH BILLINGS, MT 59101 < 1/8

0.060 mi.

315 ft. Site 6 of 9 in cluster A

Relative: Lower

US BROWNFIELDS:

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment Actual: Property name: RENT-A-WRECK 3119 ft. Property #: 03-0002012043-001

Parcel size:

Property Description: In 1912, the northern portion of the subject property was vacant and

> the southeast portion contained a coal pile adjacent to the railroad tracks along the eastern boundary. By 1923, the property was operated by Crystal Ice and Fuel Company, with expanded coal storage. In the early 1940s to late 1960s, the property housed O'Loughlin Service Station. In the 1980s it housed the Mountain States Petroleum Corporation. Polk's city directories indicate that Rent-A-Wreck, Chucks Towing, Hitch-N-Haul and Schilling Repair occupied the building in 2010. In 2005 it was listed as Rent-a-Wreck, Luverne Northland Automotive and Handy Downs antiques. In 1999 it was listed as Luverne Truck Equipment and Northland Automotive. In 1995 and 1990 it was listed as Northland Automotive and Northland Distributing.

Luverne Truck Equipment and Auto Mart Rental Cars. In 1985 it was listed as Bairs Mountain States Petroleum Corporation and in 1980 as De Jarnett Saddlery - Horse Trailers and Flying L Trailers. In 1964

it was listed as O'Loughlin Oil Company.

Latitude: 45.785809 Longitude: -108.497306

HCM label: Address Matching-Street Centerline

Not reported Map scale:

Point of reference: Center of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 121762 Start date: Not reported Not reported Completed date: Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 7706

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Not reported Redev. funding source: Redev. funding entity name: Not reported Not reported Redevelopment start date: Assessment funding entity: **EPA**

Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count:

Cooperative agreement #: 97858101 Ownership entity: Private

Current owner: Wesley W. and Kimberly A. Nussbaum

Did owner change: Ν Cleanup required: Unknown Video available: No Photo available: Yes Institutional controls required: U

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

RENT-A-WRECK (Continued)

1014781928

EDR ID Number

IC Category proprietary controls: Not reported IC cat. info. devices: Not reported Not reported IC cat. gov. controls: IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Not reported State/tribal program date: Not reported Not reported State/tribal program ID: State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Not reported Drinking water cleaned: Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Not reported Lead cleaned up: No media affected: Not reported Unknown media affected: Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Not reported Sediments found: Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Not reported Past use residential acreage: Past use commercial acreage: Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported Not reported Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported

Copper cleaned up:

Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

RENT-A-WRECK (Continued)

1014781928

Iron cleaned up: Not reported Not reported mercury cleaned up: Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Not reported Pesticides contaminant found: Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Not reported Media affected indoor air: Building material media cleaned up: Not reported Not reported Indoor air media cleaned up: Unknown media cleaned up: Not reported Past Use: Multistory Not reported

Α7 **EDR US Hist Auto Stat** 1015322019 East 2110 1ST AVE N

N/A

< 1/8 BILLINGS, MT 59101

0.060 mi.

Site 7 of 9 in cluster A 315 ft.

EDR Historical Auto Stations: Relative:

Name: NORTHLAND AUTOMOTIVE Lower

> Year: 2002

Actual: 2110 1ST AVE N Address: 3119 ft.

> SCHILLING REPAIR Name:

2010 Year:

Address: 2110 1ST AVE N

COMPUTERS4KIDS & NUTTREE ENTERPRISES INC A8 RCRA NonGen / NLR

2110 1ST AVE N **East**

BILLINGS, MT 59101

0.060 mi.

< 1/8

315 ft. Site 8 of 9 in cluster A

Relative: Date form received by agency: 01/21/2015 Lower

RCRA NonGen / NLR:

Facility name: COMPUTERS4KIDS & NUTTREE ENTERPRISES INC

Actual: Facility address: 2110 1ST AVE N 3119 ft.

BILLINGS, MT 59101

EPA ID: MTR000206771 Mailing address: 1ST AVE N

1014472651

MTR000206771

Direction Distance

Elevation Site Database(s) EPA ID Number

COMPUTERS4KIDS & NUTTREE ENTERPRISES INC (Continued)

1014472651

EDR ID Number

BILLINGS, MT 59101

Contact: WESLEY W NUSSBAUM

Contact address: DAISY LN

BILLINGS, MT 59105

Contact country: US

Contact telephone: (406) 661-4911

Contact email: WESLEY_NUSSBAUM@YAHOO.COM

EPA Region: 08
Land type: Private
Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: WESLEY NUSSBAUM

Owner/operator address: DAISY LN

BILLINGS, MT 59105

Owner/operator country: US

Owner/operator telephone: (406) 661-4911

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/15/2004
Owner/Op end date: Not reported

Owner/operator name: COMPUTERS4KIDS & NUTTREE ENTERPRISES INC

Owner/operator address: 1ST AVE N

BILLINGS, MT 59101

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/10/2010
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Historical Generators:

Date form received by agency: 03/04/2014

Site name: COMPUTERS4KIDS & NUTTREE ENTERPRISES INC

Classification: Not a generator, verified

Date form received by agency: 04/21/2011

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

COMPUTERS4KIDS & NUTTREE ENTERPRISES INC (Continued)

1014472651

EDR ID Number

Site name: COMPUTERS4KIDS & NUTTREE ENTERPRISES INC

Classification: Small Quantity Generator

. Waste code: D008 . Waste name: LEAD

Date form received by agency: 01/28/2011

Site name: COMPUTER4KIDS & NUTTREE ENTERPRISES INC Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D008 . Waste name: LEAD

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 01/28/2011
Date achieved compliance: 10/21/2011
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 04/06/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 01/28/2011
Date achieved compliance: 10/21/2011
Violation lead agency: State

Violation lead agency: State
Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 04/18/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 01/28/2011
Date achieved compliance: 05/17/2011
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 04/18/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

COMPUTERS4KIDS & NUTTREE ENTERPRISES INC (Continued)

1014472651

EDR ID Number

Area of violation: Generators - General

Date violation determined: 01/28/2011
Date achieved compliance: 10/21/2011
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 04/08/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 01/28/2011
Date achieved compliance: 05/17/2011
Violation lead agency: State

Enforcement action: BACK IN COMPLIANCE LTR

Enforcement action date: 05/17/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 01/28/2011
Date achieved compliance: 05/17/2011
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 04/15/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 01/28/2011
Date achieved compliance: 10/21/2011
Violation lead agency: State

Enforcement action: BACK IN COMPLIANCE LTR

Enforcement action date: 10/21/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - General

Direction Distance Elevation

ion Site Database(s) EPA ID Number

COMPUTERS4KIDS & NUTTREE ENTERPRISES INC (Continued)

1014472651

EDR ID Number

Date violation determined: 01/28/2011
Date achieved compliance: 10/21/2011
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 10/19/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 01/28/2011
Date achieved compliance: 10/21/2011
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 04/15/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 01/28/2011
Date achieved compliance: 05/17/2011
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 01/28/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 01/28/2011
Date achieved compliance: 05/17/2011
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/04/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 01/28/2011

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

COMPUTERS4KIDS & NUTTREE ENTERPRISES INC (Continued)

1014472651

Date achieved compliance: 05/17/2011 Violation lead agency: State

DOCUMENT RECEIVED Enforcement action:

04/08/2011 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported Area of violation: Generators - General

Date violation determined: 01/28/2011 Date achieved compliance: 10/21/2011 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 04/04/2011 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 01/28/2011 Date achieved compliance: 05/17/2011 Violation lead agency: State

DOCUMENT RECEIVED Enforcement action:

Enforcement action date: 04/06/2011 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported Area of violation: Generators - General

Date violation determined: 01/28/2011 Date achieved compliance: 10/21/2011

Violation lead agency: State

VERBAL INFORMAL Enforcement action:

Enforcement action date: 01/28/2011 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 01/21/2015

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

COMPUTERS4KIDS & NUTTREE ENTERPRISES INC (Continued)

1014472651

EDR ID Number

Date achieved compliance: Not reported

Evaluation lead agency: State

Evaluation date: 12/23/2014

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 03/04/2014

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 02/06/2013

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 02/23/2012

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 04/25/2011

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/21/2011

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 01/28/2011

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 10/21/2011 Evaluation lead agency: State

Evaluation date: 01/28/2011

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Used Oil - Generators

Date achieved compliance: 05/17/2011
Evaluation lead agency: State

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

A9 BARGREEN ELLINGSON PROPERTY US BROWNFIELDS 1014781264
East 2109 1ST AVENUE NORTH N/A

East 2109 1ST AVENUE NORTH < 1/8 BILLINGS, MT 59101

0.060 mi.

316 ft. Site 9 of 9 in cluster A

Relative: US BROWNFIELDS: Recipient name:

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

Actual: Property name: BARGREEN ELLINGSON PROPERTY 3119 ft. Property #: 03-1033-33-3-19-01-0000

ft. Property #: 03-1033-3:
Parcel size: .32

Property Description: The property is currently owned by Ellingson Brothers LLC and

businesses occupying the property incldue Fisher Water Service and Amend Car Lot. Ellingson Brothers, LLC purchased the property from Phyllis Taylor and Marcella Ann Limpp on March 12, 2008. The Property has been occupied by three gasoline stations. Bateman Oil Company occupied the Property in the early 1960s and the property was operated as Bairs Gas for Less in the late 1960s to 1970s under the ownership of Mountain States Petroleum. Mountain States Petroleum sold the Property to the Taylor and Cooke families on May 9, 1979. The Property was not operated as a service station after being sold

by Mountain States Petroleum.

Latitude: 45.7862 Longitude: -108.4976

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 129162
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 4510

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:

Not reported
Not reported
EPA
Not reported

Grant type: P

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 97858101 Ownership entity: Private

Current owner: Ellingson Brothers LLC

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

U

No

Yes

U

U

IC Category proprietary controls:
IC cat. info. devices:
IC cat. gov. controls:
IC cat. enforcement permit tools:
IC in place date:

Not reported
Not reported
Not reported
Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

BARGREEN ELLINGSON PROPERTY (Continued)

1014781264

EDR ID Number

IC in place: No State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Not reported Asbestos cleaned: Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Not reported Drinking water cleaned: Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: .32 Not reported Past use industrial acreage: Future use greenspace acreage: Not reported Not reported Future use residential acreage: Future use commercial acreage: .32 Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Arsenic cleaned up: Not reported

Cadmium cleaned up: Chromium cleaned up:

Copper cleaned up:

mercury cleaned up:

Pesticides cleaned up:

nickel cleaned up:

No clean up:

Iron cleaned up:

Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

BARGREEN ELLINGSON PROPERTY (Continued)

1014781264

Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Not reported Pesticides contaminant found: Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

10 FENSKE PRINTING INCORPORATED NNW 2120 3RD AVE N

RCRA NonGen / NLR 1015744731

MTD986068443

< 1/8 BILLINGS, MT 59101

0.087 mi. 458 ft.

RCRA NonGen / NLR: Relative:

Date form received by agency: 05/01/2012 Lower

Facility name: FENSKE PRINTING INCORPORATED Actual: 2120 3RD AVE N Facility address:

3119 ft. BILLINGS, MT 59101

EPA ID: MTD986068443 Mailing address: PO BOX 1152 BILLINGS, MT 59103

THOMAS FENSKE Contact: PO BOX 1152 Contact address: BILLINGS, MT 59103

Contact country:

Contact telephone: (406) 259-9100 Contact email: Not reported EPA Region: 08

Land type: Private Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: THOMAS, DAVID, JOHN, AND BRIAN FENSKE

Owner/operator address: PO BOX 1152

BILLINGS, MT 59103

Owner/operator country: Not reported Owner/operator telephone: (406) 259-9100 Legal status: Private

Owner/Operator Type: Owner Owner/Op start date: 01/01/1776

Direction Distance

Elevation Site Database(s) EPA ID Number

FENSKE PRINTING INCORPORATED (Continued)

1015744731

EDR ID Number

Owner/Op end date: Not reported

Owner/operator name: THOMAS, DAVID, JOHN, AND BRIAN FENSKE

Owner/operator address: PO BOX 1152

BILLINGS, MT 59103

Owner/operator country: Not reported Owner/operator telephone: (406) 259-9100

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: D001

. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 01/08/1991

Site name: FENSKE PRINTING INCORPORATED
Classification: Conditionally Exempt Small Quantity Generator

Waste code: D001

Waste name: IGNITABLE WASTE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/01/2012

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 03/19/1998

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/11/1995

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

FENSKE PRINTING INCORPORATED (Continued)

1015744731

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Not reported Date achieved compliance:

Evaluation lead agency: State

B11 DON LEE FORMER SERVICE STATION UST U004115125 ssw 2301 1ST AVE N

N/A

BILLINGS, MT < 1/8

0.088 mi.

Site 1 of 2 in cluster B 463 ft.

UST: Relative:

Facility ID: 6015082 Higher Active Tanks: Not reported

Actual: Inactive Tanks:

3122 ft. Open/Closed?: **CLOSE**

B12 EDR US Hist Auto Stat 1015344483 SSW 2301 1ST AVE N

N/A

1014781125

N/A

< 1/8 BILLINGS, MT 59101

0.091 mi.

478 ft. Site 2 of 2 in cluster B

EDR Historical Auto Stations: Relative:

Name: PERFORMANCE AUTOMATIC TRANSMISSION C Higher

Year: 2011

Actual: Address: 2301 1ST AVE N

3122 ft.

PERFORMANCE AUTOMATIC TRANSMISSION C Name:

Year: 2012

Address: 2301 1ST AVE N

C13 **JEM PROPERTIES - 2021 2ND AVE NORTH US BROWNFIELDS**

NE 2021 2ND AVENUE NORTH BILLINGS, MT 59101 < 1/8

0.093 mi.

Site 1 of 5 in cluster C 493 ft.

US BROWNFIELDS: Relative:

Recipient name: Big Sky Economic Development Authority Lower

Grant type: Assessment

Actual: Property name: JEM PROPERTIES - 2021 2ND AVE NORTH 3118 ft.

03103333325090000 Property #:

Parcel size: .32

Property Description: The subject property is located near the western boundary of the East

> Downtown Billings Urban Renewal District. In 1948, a building labeled auction house is present at 2021 2nd Avenue North. In 1961, Builders Mart Incorporated occupied the property and it was utilized for the

storage of building materials.

45.7875609 Latitude: Longitude: -108.497779

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 122503

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

JEM PROPERTIES - 2021 2ND AVE NORTH (Continued)

1014781125

Start date: Not reported Completed date: Not reported Not reported Acres cleaned up: Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 2128

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Redev. funding source: Not reported Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: **EPA** Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: Cooperative agreement #: 97858101 Ownership entity: Private Current owner: JEM LLC Did owner change: Ν Cleanup required: No Video available: No Photo available: Yes

Institutional controls required: Ν IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported

IC in place: No

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Not reported Air cleaned:

Asbestos found:

Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Not reported Drinking water cleaned: Not reported Groundwater affected: Groundwater cleaned: Not reported Not reported Lead contaminant found: Lead cleaned up: Not reported

No media affected:

Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Not reported Other metals cleaned:

Other contaminants found:

Other contams found description: lead based paint PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported

Direction Distance Elevation

Site Database(s) **EPA ID Number**

JEM PROPERTIES - 2021 2ND AVE NORTH (Continued)

1014781125

EDR ID Number

Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported Not reported VOCs cleaned: Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Not reported Past use greenspace acreage: Past use residential acreage: Not reported Past use commercial acreage: .32

Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported

Future use commercial acreage:

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag: Ν

Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

JEM PROPERTIES - 2021 2ND AVE NORTH Property name:

Not reported

Not reported

03103333325090000 Property #:

Parcel size: .32

Unknown media cleaned up:

Past Use: Multistory

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JEM PROPERTIES - 2021 2ND AVE NORTH (Continued)

1014781125

Property Description: The subject property is located near the western boundary of the East

> Downtown Billings Urban Renewal District. In 1948, a building labeled auction house is present at 2021 2nd Avenue North. In 1961, Builders Mart Incorporated occupied the property and it was utilized for the

storage of building materials.

45.7875609 Latitude: -108.497779 Longitude:

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station World Geodetic System of 1984 Datum:

ACRES property ID: 122503 Start date: Not reported Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 14443

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Redev. funding source: Not reported Redev. funding entity name: Not reported Not reported Redevelopment start date: Assessment funding entity: **EPA**

Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase II Environmental Assessment

Accomplishment count:

Cooperative agreement #: 97858101 Ownership entity: Private JEM LLC Current owner: Did owner change: Ν Cleanup required: No Video available: No Photo available: Yes Institutional controls required: Ν

Not reported IC Category proprietary controls: IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported

IC in place: No

State/tribal program date: Not reported Not reported State/tribal program ID: State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported

Asbestos found:

Asbestos cleaned: Not reported Not reported Controled substance found: Controled substance cleaned: Not reported Drinking water affected: Not reported Not reported Drinking water cleaned: Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) **EPA ID Number**

JEM PROPERTIES - 2021 2ND AVE NORTH (Continued)

1014781125

EDR ID Number

No media affected:

Not reported Unknown media affected: Other cleaned up: Not reported Not reported Other metals found: Other metals cleaned: Not reported

Other contaminants found:

Other contams found description: lead based paint PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported

Past use commercial acreage: .32 Not reported Past use industrial acreage: Future use greenspace acreage: Not reported

Future use commercial acreage: .32

Future use residential acreage:

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Not reported

Superfund Fed. landowner flag: Ν

Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Not reported Pesticides cleaned up: Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Nickel contaminant found: Not reported No contaminant found: Not reported Not reported Pesticides contaminant found: Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JEM PROPERTIES - 2021 2ND AVE NORTH (Continued)

Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

C14 **EDR US Hist Auto Stat** 1015306701 N/A

NE 2015 2ND AVE N < 1/8 BILLINGS, MT 59101

0.097 mi.

Site 2 of 5 in cluster C 512 ft.

EDR Historical Auto Stations: Relative:

1 STOP AUTOMOTIVE Lower Name:

Year: 2006

Actual: Address: 2015 2ND AVE N 3118 ft.

> Name: 1 STOP AUTOMOTIVE

> > Year: 2010

Address: 2015 2ND AVE N

1 STOP AUTOMOTIVE Name:

Year: 2011

Address: 2015 2ND AVE N

Name: 1 STOP AUTOMOTIVE

Year: 2012

2015 2ND AVE N Address:

C15 **SIGNS ETC** RCRA-CESQG 1004744184 MTR000007245

2015 2ND AVE N NE < 1/8 BILLINGS, MT 59101

0.097 mi.

512 ft. Site 3 of 5 in cluster C

RCRA-CESQG: Relative:

Date form received by agency: 06/03/1999 Lower SIGNS ETC Facility name:

Actual: Facility address: 2015 2ND AVE N 3118 ft. BILLINGS, MT 59101

EPA ID: MTR000007245

Mailing address: 2ND AVE N

BILLINGS, MT 59101 Contact: DOLORES MOORE

Contact address: 2ND AVE N

BILLINGS, MT 59101

Contact country: US

Contact telephone: (406) 248-4309 Contact email: Not reported

EPA Region:

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

> month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

1014781125

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SIGNS ETC (Continued) 1004744184

> waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

DOLORES MOORE Owner/operator name: Owner/operator address: 2015 2ND AVE N BILLINGS, MT 59101

Owner/operator country: Not reported Owner/operator telephone: (406) 248-4309

Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

D001 Waste code:

IGNITABLE WASTE Waste name:

Waste code: D035

METHYL ETHYL KETONE Waste name:

Violation Status: No violations found

C16 **JEM PROPERTIES - 2015 2ND AVE NORTH US BROWNFIELDS** 1014781124 N/A

2015 2ND AVENUE NORTH NE

US BROWNFIELDS:

< 1/8 BILLINGS, MT 59101 0.097 mi.

512 ft. Site 4 of 5 in cluster C

Relative: Recipient name: Big Sky Economic Development Authority Lower

Grant type: Assessment

Actual: JEM PROPERTIES - 2015 2ND AVE NORTH Property name:

3118 ft. Property #: 03103333325090000 Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

JEM PROPERTIES - 2015 2ND AVE NORTH (Continued)

1014781124

EDR ID Number

Parcel size: .32

Property Description: The subject property is located near the western boundary of the East

Downtown Billings Urban Renewal District. The site listed at 2123 2nd Avenue North presents a REC to the subject property because of its historical use which includes a gasoline service station in the 1940s, 1950s, and 1960s. It is located 350 feet southwest of the property at 2015 2nd Avenue North. Inferred groundwater flow is to the east with an unknown northern to southern component. In 1912, several small structures occupied by Building Materials Storage were present on the southern portion of the properties at 2021 and 2015 2nd Avenue North. In 1929 the property at 2015 2nd Avenue North was occupied by Bagnon and Company. In 1944 property at 2015 2nd Avenue North was occupied by Bender Auction. In 1958 the US Army Reserve Training Center was located at 2015 2nd Avenue North. In 1976, it was occupied by Paris Beauty Supply. In 1999 the property at 2015 2nd

Avenue North was occupied by Signs Etc.

Latitude: 45.7874456 Longitude: -108.4976458

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 122502
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 2128

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:

Not reported
Not reported
EPA
Not reported

Grant type: F

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1
Cooperative agreement #: 97858101
Ownership entity: Private

Current owner:

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

No

IC Category proprietary controls:
IC cat. info. devices:
IC cat. gov. controls:
IC cat. enforcement permit tools:
IC in place date:
IC in place:
Not reported

State/tribal program date:
State/tribal program ID:
Not reported
State/tribal NFA date:
Not reported
Not reported
Not reported
Not reported
Not reported

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

Not reported

JEM PROPERTIES - 2015 2ND AVE NORTH (Continued)

1014781124

Air cleaned: Not reported Asbestos found: Asbestos cleaned: Not reported Not reported Controled substance found: Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Not reported Groundwater affected: Groundwater cleaned: Not reported

Lead cleaned up: Not reported No media affected:

Lead contaminant found:

Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported

Other contaminants found:

Other contams found description: lead based paint PAHs found: Not reported PAHs cleaned up: Not reported Not reported PCBs found: PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Not reported Past use residential acreage:

Past use commercial acreage: .32

Not reported Past use industrial acreage: Future use greenspace acreage: Not reported Future use residential acreage: Not reported

Future use commercial acreage: .32

Not reported Future use industrial acreage: Not reported Greenspace acreage and type:

Superfund Fed. landowner flag:

Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported

Direction Distance Elevation

ation Site Database(s) EPA ID Number

JEM PROPERTIES - 2015 2ND AVE NORTH (Continued)

1014781124

EDR ID Number

Chromium contaminant found: Not reported Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Nickel contaminant found: Not reported Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Not reported Unknown media cleaned up: Past Use: Multistory Not reported

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

Property name: JEM PROPERTIES - 2015 2ND AVE NORTH

Property #: 03103333325090000

Parcel size: .32

Property Description: The subject property is located near the western boundary of the East

Downtown Billings Urban Renewal District. The site listed at 2123 2nd Avenue North presents a REC to the subject property because of its historical use which includes a gasoline service station in the 1940s, 1950s, and 1960s. It is located 350 feet southwest of the property at 2015 2nd Avenue North. Inferred groundwater flow is to the east with an unknown northern to southern component. In 1912, several small structures occupied by Building Materials Storage were present on the southern portion of the properties at 2021 and 2015 2nd Avenue North. In 1929 the property at 2015 2nd Avenue North was occupied by Bagnon and Company. In 1944 property at 2015 2nd Avenue North was occupied by Bender Auction. In 1958 the US Army Reserve Training Center was located at 2015 2nd Avenue North. In 1976, it was occupied by Paris Beauty Supply. In 1999 the property at 2015 2nd

Avenue North was occupied by Signs Etc.

Latitude: 45.7874456 Longitude: -108.4976458

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 122502
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 14443

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:

Not reported
Not reported
EPA

Direction Distance Elevation

on Site Database(s) EPA ID Number

JEM PROPERTIES - 2015 2ND AVE NORTH (Continued)

1014781124

EDR ID Number

Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase II Environmental Assessment

Ν

Accomplishment count:

Cooperative agreement #:

Ownership entity:

Current owner:

Did owner change:

Cleanup required:

Video available:

Private

JEM LLC

No

No

Video available:

No

Yes

IC Category proprietary controls:
IC cat. info. devices:
IC cat. gov. controls:
IC cat. enforcement permit tools:
IC in place date:

Not reported
Not reported
Not reported
Not reported

IC in place: No

Institutional controls required:

State/tribal program date:
State/tribal program ID:
Not reported
State/tribal NFA date:
Not reported
Air contaminated:
Not reported
Not reported
Not reported
Air cleaned:
Ashestos found:

V

Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Not reported Groundwater affected: Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported

No media affected: Y

Unknown media affected:
Other cleaned up:
Other metals found:
Other metals cleaned:
Not reported
Not reported
Not reported

Other contaminants found: Y

Other contams found description: lead based paint PAHs found: Not reported Not reported PAHs cleaned up: PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported Not reported VOCs cleaned: Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JEM PROPERTIES - 2015 2ND AVE NORTH (Continued)

1014781124

Past use commercial acreage: .32

Not reported Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage:

Future use commercial acreage: .32

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag:

Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Not reported Pesticides cleaned up: Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Not reported Media affected indoor air: Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported

D17 **SMITH & JONES DATSUN BMW**

ENE 2015 1ST AVE N BILLINGS, MT 59101 < 1/8

0.107 mi. 566 ft.

Site 1 of 4 in cluster D

RCRA NonGen / NLR: Relative:

Date form received by agency: 08/15/1980 Lower

Unknown media cleaned up:

Past Use: Multistory

Facility name: SMITH & JONES DATSUN BMW

Not reported

Not reported

Actual: Facility address: 2015 1ST AVE N 3117 ft.

BILLINGS, MT 59101 EPA ID: MTD065569063

Mailing address: 1ST AVE N BILLINGS, MT 59101

Contact: GARY LESLIE Contact address: 2015 1ST AVE N BILLINGS, MT 59101

Contact country: US 1000404562

MTD065569063

RCRA NonGen / NLR

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SMITH & JONES DATSUN BMW (Continued)

1000404562

Contact telephone: (406) 248-2661 Contact email: Not reported

EPA Region: റമ

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

LOU JONES & VERNON SMITH Owner/operator name:

Owner/operator address: DATA NOT REQUESTED

DATA NOT REQUESTED, MT 99999 Owner/operator country: Not reported

Owner/operator telephone: (999) 999-9999 Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: Nο Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: F027

DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR Waste name:

> PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM

PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

Violation Status: No violations found

D18 TRACK SIDE BODY SHOP RCRA-CESQG 1012183007 MTR000003905

ENE 2014 1ST AVE N < 1/8 BILLINGS, MT 59101

0.108 mi.

569 ft. Site 2 of 4 in cluster D

RCRA-CESQG: Relative:

Date form received by agency: 05/15/1997 Lower

> Facility name: TRACK SIDE BODY SHOP

Actual: 2014 1ST AVE N Facility address: 3117 ft. BILLINGS, MT 59101

EPA ID: MTR000003905

Mailing address: 1ST AVE N

BILLINGS, MT 59101

Contact: Not reported

Direction Distance Elevation

ation Site Database(s) EPA ID Number

TRACK SIDE BODY SHOP (Continued)

1012183007

EDR ID Number

Contact address: Not reported

Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported

EPA Region: 08 Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator address: BRIAN STEIN
Owner/operator address: 2014 1ST AVE N

BILLINGS, MT 59101

Owner/operator country: Not reported
Owner/operator telephone: (406) 256-8366

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: Nο Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: Nο Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/15/1997

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

TRACK SIDE BODY SHOP (Continued)

1012183007

Area of violation: Not reported Not reported Date achieved compliance: Evaluation lead agency: State

D19 EDR US Hist Auto Stat 1015306374 2012 1ST AVE N **ENE** N/A

< 1/8 BILLINGS, MT 59101

0.109 mi.

575 ft. Site 3 of 4 in cluster D

EDR Historical Auto Stations: Relative:

TRACK SIDE AUTO BODY & GLASS Name: Lower

Year: 2001

Actual: Address: 2012 1ST AVE N 3117 ft.

> TRACK SIDE AUTO BODY & GLASS Name:

Year: 2003

Address: 2012 1ST AVE N

Name: TRACK SIDE AUTO BODY & GLASS INC

Year: 2004

Address: 2012 1ST AVE N

TRACK SIDE AUTO BODY & GLASS INC Name:

2005 Year:

Address: 2012 1ST AVE N

Name: TRACK SIDE AUTO BODY & GLASS INC

Year: 2006

2012 1ST AVE N Address:

Name: TRACK SIDE AUTO BODY & GLASS INC

Year: 2007

2012 1ST AVE N Address:

TRACK SIDE AUTO BODY & GLASS INC Name:

Year:

Address: 2012 1ST AVE N

TRACK SIDE AUTO BODY & GLASS Name:

Year: 2009

Address: 2012 1ST AVE N

Name: TRACK SIDE AUTO BODY & GLASS

2010 Year:

2012 1ST AVE N Address:

TRACK SIDE AUTO BODY Name:

Year: 2011

2012 1ST AVE N Address:

Name: TRACK SIDE AUTO BODY

Year: 2012

2012 1ST AVE N Address:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

C20 **JEM PROPERTIES - 220 NORTH 20TH US BROWNFIELDS** 1014781126 N/A

NE 220 NORTH 20TH STREET BILLINGS, MT 59101 < 1/8

0.109 mi.

576 ft. Site 5 of 5 in cluster C

Relative:

3117 ft.

US BROWNFIELDS:

Lower Recipient name:

> Grant type: Assessment

Actual: Property name: JEM PROPERTIES - 220 NORTH 20TH

Property #: 03103333325070000 Parcel size:

> Property Description: The subject property is located near the western boundary of the East

> > Downtown Billings Urban Renewal District

Big Sky Economic Development Authority

45.7882 Latitude: Longitude: -108.497654

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 122504 Start date: Not reported Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported

Assessment funding: 2128

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Redev. funding source: Not reported Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: **EPA**

Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: Cooperative agreement #: 97858101 Ownership entity: Private Current owner: JEM LLC Did owner change: Ν Cleanup required: No Video available: No

Photo available: Yes Institutional controls required: Ν

IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: No

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Not reported Air contaminated: Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported

Direction Distance Elevation

Site Database(s)

JEM PROPERTIES - 220 NORTH 20TH (Continued)

1014781126

EDR ID Number

EPA ID Number

Controled substance cleaned:

Drinking water affected:

Drinking water cleaned:

Oroundwater affected:

Groundwater affected:

Groundwater cleaned:

Conundwater cleaned:

Not reported

Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported

Past use residential acreage: .16

Past use commercial acreage:
Past use industrial acreage:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

Future use commercial acreage: .16

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag: N

Arsenic cleaned up: Not reported Not reported Cadmium cleaned up: Chromium cleaned up: Not reported Copper cleaned up: Not reported Not reported Iron cleaned up: Not reported mercury cleaned up: nickel cleaned up: Not reported Not reported No clean up: Pesticides cleaned up: Not reported Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found:

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

JEM PROPERTIES - 220 NORTH 20TH (Continued)

1014781126

Nickel contaminant found: Not reported No contaminant found: Not reported Not reported Pesticides contaminant found: Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

ARTCRAFT PRINTERS D21 RCRA-CESQG 1000831039 MTD986072981

ENE 2001 1ST AVE N < 1/8 BILLINGS, MT 59103

0.114 mi.

602 ft. Site 4 of 4 in cluster D

RCRA-CESQG: Relative:

Date form received by agency: 12/17/1992 Lower

ARTCRAFT PRINTERS Facility name:

Actual: Facility address: 2001 1ST AVE N 3117 ft. BILLINGS, MT 59103

EPA ID: MTD986072981 Mailing address:

1ST AVE N

BILLINGS, MT 59103 Contact: Not reported

Not reported Contact address: Not reported Contact country: Not reported Contact telephone: Not reported Not reported

Contact email: EPA Region: 80 Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: Nο

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ARTCRAFT PRINTERS (Continued)

1000831039

Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: Nο Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 12/17/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

22 EDR US Hist Auto Stat 1015324050 SE

2121 MONTANA AVE N/A

< 1/8 BILLINGS, MT 59101

0.116 mi. 613 ft.

EDR Historical Auto Stations: Relative:

B&BTIRECO Lower Name:

Year: 2007

Actual: Address: 2121 MONTANA AVE

3120 ft.

Name: **B&BTIRECO**

2009 Year:

2121 MONTANA AVE Address:

E23 **BURLINGTON NORTHERN INC PROP CERC-NFRAP** 1003877458

SSE 2224 MONTANA AVE BILLINGS, MT 59101

< 1/8 0.119 mi.

630 ft. Site 1 of 2 in cluster E

CERC-NFRAP: Relative: Site ID: Higher

Federal Facility: Not a Federal Facility Actual: NPL Status: Not on the NPL

3122 ft. Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

0800408

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13162079.00000 Person ID: 13002699.00000

CERCLIS-NFRAP Assessment History:

DISCOVERY Action:

Date Started:

Date Completed: 09/01/80 MTD980403513

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

BURLINGTON NORTHERN INC PROP (Continued)

1003877458

Priority Level: Not reported

ARCHIVE SITE Action:

Date Started: 09/30/85 Date Completed: Priority Level: Not reported

PRELIMINARY ASSESSMENT Action:

BNPY

Date Started: // Date Completed: 09/30/85

NFRAP-Site does not qualify for the NPL based on existing information Priority Level:

BURLINGTON NORTHERN INC PROPERTY SHWS S106561037 E24

2224 MONTANA AVE SSE **DEL SHWS** N/A < 1/8 **BILLINGS, MT REM RPROGRAM**

0.119 mi.

Site 2 of 2 in cluster E 630 ft.

SHWS: Relative:

Site: Higher

CECRA Program: Actual: Alias Names: Not reported 3122 ft. 45.78389 Latitude:

-108.49917000000001 Longitude:

DELETED HWS:

BNPY Site: **CECRA** Program: Ranking Code: NFA **Delisted Date:** 6/8/1994 Retrived Date: 05/31/2015 Program Date: None Listed: 1/1/1989 Referredj Date: None

BNPY Site: **CERCLA** Program: Ranking Code: None **Delisted Date:** 9/30/1985 Retrived Date: 05/31/2015 Program Date: 9/1/1980 Listed: 9/1/1980 Referredj Date: 9/30/1985

REM RPROGRAM:

Site ID: **BNPY**

45.78389 / -108.49917 Lat/Long:

CECRA Program: Alias Names: Not reported Operation: Not reported Location: 2224 Montana Ave

Township: 1S Range: 26E P Section:

LL Coment: Not reported 06/08/1994 Delisted Date: Petition Date: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

BURLINGTON NORTHERN INC PROPERTY (Continued)

S106561037

EDR ID Number

Agreement Date: Not reported Name: MDEQ STAFF (406) 444-6444 Phone Work: Not reported EMail: Retrieve Date Site Summary: 05/31/2015

Site Summary: December 21, 1995Burlington Northern, Inc. Property, at 2224 Montana

> Avenue in Billings, is an inactive, approximately one-acre depot, office and lumber storage facility. MDHES (now MDEQ - Montana

Department of Environmental Quality) -CECRA files co

Detail As Of March 2013:

Start Date: 09/30/1985 09/30/1985 End Date: Report Date: Not reported

Description: NFRAP - No Further Remedial Action Planned - NFRAP - No Further

Remedial Action Planned - Entire Site

EPA CERCLIS DATA: NFRAP: No further Remedial Action planned. Purpose:

Program:

CECRA Program: Program Date: Not reported Listed Date: 01/01/1989 **DeListed Date:** 06/08/1994 State Rank: No further action Referred: Not reported

Program: **CERCLA** Program Date: 09/01/1980 Listed Date: 09/01/1980 09/30/1985 DeListed Date: State Rank: Not reported Referred: 09/30/1985

F25 **JEM PROPERTIES - 2024 3RD AVE NORTH**

2024 3RD AVENUE NORTH

US BROWNFIELDS 1014781123

N/A

BILLINGS, MT 59101 < 1/8

0.122 mi.

NNE

642 ft. Site 1 of 6 in cluster F

US BROWNFIELDS: Relative:

Recipient name: Lower

Big Sky Economic Development Authority Grant type: Assessment

Actual: Property name: JEM PROPERTIES - 2024 3RD AVE NORTH 3117 ft.

Property #: 03103333325080000

Parcel size: .32

Property Description: The subject property is located near the western boundary of the East

Downtown Billings Urban Renewal District. The building at 2024 3rd Avenue North is currently leased to Residential Support. It houses office space and personnel that service people with development disabilities. Reportedly, in the late 1940s to early 1950s, the

property housed Petroleum Gas and Oil Company, with use listed as a gasoline service station and potential chemicals of concern from this use identified as petroleum. In the late 1950s, it was occupied by Henrickson HH and Sons with use listed as an oil company and potential chemicals of concern identified as petroleum. In the early 1960s to mid 1970s, it was occupied by Mobil Oil Company with use listed as oil distribution and potential chemicals of concern from

Direction Distance

Elevation Site Database(s) EPA ID Number

JEM PROPERTIES - 2024 3RD AVE NORTH (Continued)

1014781123

EDR ID Number

this use identified as petroleum. In the late 1970s, the property housed J and S New and Used Shop with use listed as auto repair and potential chemicals of concern identified as petroleum, metals, volatile organic compounds, and semi-volatile organic compounds.

Latitude: 45.7879 Longitude: -108.498116

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station Datum: World Geodetic System of 1984

ACRES property ID: 122501
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 2128

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Not reported
Redev. funding entity name:
Not reported
Not reported
Not reported
Redevelopment start date:
Assessment funding entity:
EPA

Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count:

Cooperative agreement #: 97858101 Ownership entity: Private Current owner: JEM LLC Did owner change: N Cleanup required: No Video available: No Photo available: Yes U Institutional controls required:

IC Category proprietary controls:
IC cat. info. devices:
IC cat. gov. controls:
IC cat. enforcement permit tools:
IC in place date:
Not reported
Not reported
Not reported

IC in place: No

State/tribal program date:

State/tribal program ID:

Not reported
State/tribal NFA date:

Not reported
Not reported
Not reported
Air contaminated:

Not reported
Not reported
Not reported
Not reported

Asbestos found: Y

Asbestos cleaned:
Controled substance found:
Controled substance cleaned:
Drinking water affected:
Drinking water cleaned:
Not reported
Not reported
Not reported
Not reported

Groundwater affected:

Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation Site

ite Database(s)

JEM PROPERTIES - 2024 3RD AVE NORTH (Continued)

1014781123

EDR ID Number

EPA ID Number

Unknown media affected:
Other cleaned up:
Other metals found:
Other metals cleaned:

Other contaminants found: Y

Other contams found description: lead based paint PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported

Petro products found: Y

Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Not reported Surface water cleaned: VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Not reported Past use residential acreage:

Past use commercial acreage: 32
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Not reported
Future use residence acreage: Not reported

Future use commercial acreage: .32

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag: N

Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Chromium contaminant found: Not reported Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Not reported Nickel contaminant found: No contaminant found: Not reported Pesticides contaminant found: Not reported Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

JEM PROPERTIES - 2024 3RD AVE NORTH (Continued)

1014781123

EDR ID Number

Media affected indoor air: Not reported Building material media cleaned up: Not reported Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Past Use: Multistory Not reported

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

JEM PROPERTIES - 2024 3RD AVE NORTH Property name:

Property #: 03103333325080000

Parcel size: .32

The subject property is located near the western boundary of the East Property Description:

> Downtown Billings Urban Renewal District. The building at 2024 3rd Avenue North is currently leased to Residential Support. It houses office space and personnel that service people with development disabilities. Reportedly, in the late 1940s to early 1950s, the

property housed Petroleum Gas and Oil Company, with use listed as a gasoline service station and potential chemicals of concern from this use identified as petroleum. In the late 1950s, it was occupied by Henrickson HH and Sons with use listed as an oil company and potential chemicals of concern identified as petroleum. In the early 1960s to mid 1970s, it was occupied by Mobil Oil Company with use listed as oil distribution and potential chemicals of concern from this use identified as petroleum. In the late 1970s, the property housed J and S New and Used Shop with use listed as auto repair and potential chemicals of concern identified as petroleum, metals, volatile organic compounds, and semi-volatile organic compounds.

Latitude: 45.7879 -108.498116 Longitude:

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station World Geodetic System of 1984 Datum:

ACRES property ID: 122501 Not reported Start date: Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 14443

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Redev. funding source: Not reported Not reported Redev. funding entity name: Redevelopment start date: Not reported Assessment funding entity: **EPA**

Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase II Environmental Assessment

Accomplishment count:

Cooperative agreement #: 97858101 Ownership entity: Private Current owner: JEM LLC Did owner change: Ν Cleanup required: No Video available: No Photo available: Yes

Direction Distance Elevation

Site Database(s) EPA ID Number

JEM PROPERTIES - 2024 3RD AVE NORTH (Continued)

1014781123

EDR ID Number

Institutional controls required: U

IC Category proprietary controls:
IC cat. info. devices:
IC cat. gov. controls:
IC cat. enforcement permit tools:
IC in place date:

Not reported
Not reported
Not reported
Not reported

IC in place: No

State/tribal program date:

State/tribal program ID:

State/tribal program ID:

State/tribal NFA date:

Air contaminated:

Air cleaned:

Not reported

Not reported

Not reported

Not reported

Asbestos found: Y

Asbestos cleaned:

Controled substance found:

Controled substance cleaned:

Drinking water affected:

Drinking water cleaned:

Not reported

Not reported

Not reported

Not reported

Groundwater affected:

Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported

Other contaminants found: Y

Other contams found description: lead based paint PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported

Petro products found:

Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported Not reported VOCs found: Not reported VOCs cleaned: Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported .32 Past use commercial acreage:

Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported

Future use commercial acreage: .32

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag: N

Arsenic cleaned up:
Cadmium cleaned up:
Not reported
Not reported
Chromium cleaned up:
Not reported

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

JEM PROPERTIES - 2024 3RD AVE NORTH (Continued)

1014781123

Copper cleaned up: Not reported Not reported Iron cleaned up: mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Copper contaminant found: Not reported Not reported Iron contaminant found: Mercury contaminant found: Not reported Not reported Nickel contaminant found: Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

F26 JEM NORTH - 2023 3RD AVE N **US BROWNFIELDS** 1014781130 NNE 2023 3RD AVENUE NORTH N/A

Big Sky Economic Development Authority

< 1/8 BILLINGS, MT 59101

0.124 mi. 655 ft.

Site 2 of 6 in cluster F

Relative:

US BROWNFIELDS: Recipient name:

Lower

Grant type: Assessment Property name: JEM NORTH - 2023 3RD AVE N

Actual: 3117 ft.

Property #: 03103333327300000

Parcel size:

Property Description:

2018 4th Avenue North and 2023 3rd Avenue North are believed to have been vacant lots. A LUST site located north of the subject property at 2111 4th Avenue North is currently listed as Ghigh priorityG and groundwater flow direction is assumed to be south and east across the site which would put the subject properties downgradient in terms of groundwater contamination. This site JEM North has received approval from MDEQ Stephanie Wallace with EPA confirmed during a call on October 12, 2010 that she received a copy of the MDEQ approval letter dated October 5, 2010. This property is included in the East Billings Urban Renewal District, which is the grantee, BSEDA, and the City of BillingsG effort to proactively address economic stagnation issues in the area east and adjacent to Downtown Billings. Correspondence with the MDEQ indicated that a used oil release was discovered at the property located at 2030 4th Avenue North on February 26, 1992. A No Further Corrective Action Letter was issued in 1993 from the State of Montana however, it indicated that Ggroundwater analyses do indicate that residual petroleum contamination continues to be present at the

Direction Distance Elevation

vation Site Database(s) EPA ID Number

JEM NORTH - 2023 3RD AVE N (Continued)

1014781130

EDR ID Number

site but does not appear to be a threat to human health or the environment.G Gasoline Range Organics, ethyl benzene, total petroleum hydrocarbons diesel and gasoline, and lead were found in a downgradient well. Groundwater is expected to flow east northeast across the site. 2018 4th Avenue North and 2023 3rd Avenue North are both vacant lots with potential for future development. Given the documented presence of some level of residual impacts, and the importance of perceived impacts as a constraint to development or redevelopment of a property, resolving uncertainties in environmental conditions would be consistent with the ives of the Brownfields program. Hopefully, an assessment of this property would be able to confirm that conditions remain protective of human health and the environment.

Latitude: 45.788392 Longitude: -108.498513

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 125415
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 2644

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Redev. funding source: Not reported Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: EPA

Assessment funding entity.

Cleanup funding entity: Not reported

Grant type: F

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 97858101 Ownership entity: Private Current owner: JEM LLC Did owner change: Ν Cleanup required: No Video available: No Photo available: Yes Institutional controls required: U

IC Category proprietary controls:
IC cat. info. devices:
IC cat. gov. controls:
IC cat. enforcement permit tools:
IC in place date:
IC in place:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

State/tribal program date:
State/tribal program ID:
Not reported
State/tribal NFA date:
Not reported
Air contaminated:
Air cleaned:
Asbestos found:
Asbestos cleaned:
Not reported

Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) **EPA ID Number**

JEM NORTH - 2023 3RD AVE N (Continued)

1014781130

EDR ID Number

Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Not reported Drinking water cleaned:

Groundwater affected:

Groundwater cleaned: Not reported Not reported Lead contaminant found: Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported

PAHs found:

PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported

Petro products found:

Petro products cleaned: Not reported Sediments found: Not reported Not reported Sediments cleaned: Soil affected:

Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Not reported Past use greenspace acreage: Past use residential acreage: Not reported

Past use commercial acreage:

Past use industrial acreage: Not reported Not reported Future use greenspace acreage: Not reported Future use residential acreage:

Future use commercial acreage: .53

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag:

Ν Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Not reported Iron cleaned up: mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Not reported Cadmium contaminant found: Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Map ID MAP FINDINGS
Direction

Distance Elevation Site

ite Database(s) EPA ID Number

JEM NORTH - 2023 3RD AVE N (Continued)

1014781130

EDR ID Number

Mercury contaminant found: Not reported Not reported Nickel contaminant found: Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

Property name: JEM NORTH - 2023 3RD AVE N

Property #: 0310333327300000

Parcel size: .53

Property Description: 2018 4th Avenue North and 2023 3rd Avenue North are believed to have

been vacant lots. A LUST site located north of the subject property at 2111 4th Avenue North is currently listed as Ghigh priorityG and groundwater flow direction is assumed to be south and east across the site which would put the subject properties downgradient in terms of groundwater contamination. This site JEM North has received approval from MDEQ Stephanie Wallace with EPA confirmed during a call on October 12, 2010 that she received a copy of the MDEQ approval letter dated October 5, 2010. This property is included in the East Billings Urban Renewal District, which is the grantee, BSEDA, and the City of BillingsG effort to proactively address economic stagnation issues in the area east and adjacent to Downtown Billings. Correspondence with the MDEQ indicated that a used oil release was discovered at the property located at 2030 4th Avenue North on February 26, 1992. A No Further Corrective Action Letter was issued in 1993 from the State of Montana however, it indicated that Ggroundwater analyses do indicate that residual petroleum contamination continues to be present at the site but does not appear to be a threat to human health or the environment.G Gasoline Range Organics, ethyl benzene, total petroleum

hydrocarbons diesel and gasoline, and lead were found in a downgradient well. Groundwater is expected to flow east northeast

across the site. 2018 4th Avenue North and 2023 3rd Avenue North are both vacant lots with potential for future development. Given the documented presence of some level of residual impacts, and the importance of perceived impacts as a constraint to development or redevelopment of a property, resolving uncertainties in environmental conditions would be consistent with the ives of the Brownfields program. Hopefully, an assessment of this property would be able to

confirm that conditions remain protective of human health and the environment.

Latitude: 45.788392 Longitude: -108.498513

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 125415

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JEM NORTH - 2023 3RD AVE N (Continued)

1014781130

Start date: Not reported Not reported Completed date: Not reported Acres cleaned up: Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 14443

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Redev. funding source: Not reported Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: **EPA** Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase II Environmental Assessment

Accomplishment count: Cooperative agreement #: 97858101 Ownership entity: Private Current owner: JEM LLC Did owner change: Ν Cleanup required: No Video available: No Photo available: Yes Institutional controls required: U

IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported

IC in place: No

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Not reported Air cleaned: Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Not reported Drinking water cleaned:

Groundwater affected:

Groundwater cleaned: Not reported Not reported Lead contaminant found: Not reported Lead cleaned up: No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Not reported Other metals cleaned: Other contaminants found: Not reported Other contams found description: Not reported

PAHs found:

PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported

Petro products found:

Distance Elevation Site

Database(s)

JEM NORTH - 2023 3RD AVE N (Continued)

1014781130

EDR ID Number

EPA ID Number

Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Y

Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported Not reported VOCs cleaned: Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Not reported Past use greenspace acreage: Past use residential acreage: Not reported

Past use commercial acreage: .53

Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Not reported Not reported

Future use commercial acreage: .53

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag: N

Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

F27 HALL MACHINE SHOP LUST U003363971
NNE 301 N 20TH ST UST N/A

NNE 301 N 20TH ST 1/8-1/4 BILLINGS, MT

0.139 mi.

734 ft. Site 3 of 6 in cluster F

Relative: LUST:

Lower Facility ID:

Actual: Rederally Regulated: Yes
Actual: Release ID: 1237
3116 ft. Date of Release: 06/30/1992
Fund Eligible: Not reported

Active Site: No

Transfer Agency Lead:

Transfer Date:

EPA Lead:

Date Resolved:

Longitude:

Not reported

Not reported

12/24/1992

45.788705556

Longitude:

-108.49762222

Lat/Long Method: Address Match, Exact ESRI ARC

5602017

Detail as of 06/16/2014:

Priority: Not reported

DEQ Project Manager: Willett, Spencee (19099)

UST:

Facility ID: 5602017
Active Tanks: Not reported

Inactive Tanks: 3
Open/Closed?: CLOSE

F28 EDR US Hist Auto Stat 1015408680 NNE 306 N 20TH ST N/A

1/8-1/4 BILLINGS, MT 59101

0.140 mi.

741 ft. Site 4 of 6 in cluster F

Relative: EDR Historical Auto Stations:

Lower Name: SCHIEDS BODY SHOP

Year: 2002

Actual: Address: 306 N 20TH ST **3116 ft.**

Name: SCHIEDS BODY SHOP

Year: 2003

Address: 306 N 20TH ST

Name: SCHIEDS BODY SHOP & TOWING

Year: 2004

Address: 306 N 20TH ST

Name: SCHIEDS BODY SHOP AND TOWING

Year: 2005

Address: 306 N 20TH ST

Name: SCHIEDS BODY SHOP & TOWING

Year: 2006

Address: 306 N 20TH ST

Name: SCHIEDS BODY SHOP

Year: 2008

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

(Continued) 1015408680

Address: 306 N 20TH ST

Name: SCHIEDS BODY SHOP

Year: 2009

Address: 306 N 20TH ST

Name: SCHIEDS BODY SHOP

Year: 2010

Address: 306 N 20TH ST

Name: SCHIEDS BODY SHOP

Year: 2011

Address: 306 N 20TH ST

Name: SCHIEDS BODY SHOP

Year: 2012

Address: 306 N 20TH ST

F29 324 NORTH 20TH STREET US BROWNFIELDS 1014781519
NNE 324 NORTH 20TH STREET N/A

1/8-1/4 0.149 mi. 324 NORTH 20TH STREET BILLINGS, MT 59101

785 ft. Site 5 of 6 in cluster F

Relative: US BROWNFIELDS:

Lower Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

 Actual:
 Property name:
 324 NORTH 20TH STREET

 3116 ft.
 Property #:
 03-1033-33-27-07-0000

Parcel size: .16

Property Description: Property use includes automotive repairs historic uses have included

commercial operation as an automotive shuttle service, storage

operation, etc.
Latitude: 45.789040
Longitude: -108.498647

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 108741
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 5848

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:

Not reported
EPA
Not reported
Not reported
Not reported

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 97858101 Ownership entity: Private **EDR ID Number**

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

324 NORTH 20TH STREET (Continued)

1014781519

EDR ID Number

Current owner: Reggie and Valerie Dangerfield

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

N

N

N

N

IC Category proprietary controls: Not reported Not reported IC cat. info. devices: IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported Not reported IC in place date: Not reported IC in place: State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Not reported Controled substance cleaned: Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Not reported Lead contaminant found: Lead cleaned up: Not reported

No media affected:

Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Not reported Sediments cleaned: Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage: Not reported Past use residential acreage: Not reported

Past use commercial acreage: .16

Past use industrial acreage:
Future use greenspace acreage:
Future use residential acreage:
Future use commercial acreage:
Future use industrial acreage:

Not reported
Not reported
Not reported
Not reported
Not reported

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

324 NORTH 20TH STREET (Continued)

1014781519

Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Ν Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Not reported Pesticides contaminant found: Selenium contaminant found: Not reported Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported

F30 **EDR US Hist Auto Stat** 1015436249 N/A

Not reported

North 340 N 20TH ST BILLINGS, MT 59101 1/8-1/4

0.156 mi.

Site 6 of 6 in cluster F 826 ft.

Relative:

EDR Historical Auto Stations:

Past Use: Multistory

Lower

Name: BEARES AUTOMOTIVE CARE

Year: 2005

Actual:

Address: 340 N 20TH ST

3116 ft.

Name: BEARES AUTOMOTIVE CARE

Year: 2006

340 N 20TH ST Address:

Name: BEARES AUTOMOTIVE CARE

Year: 2007

340 N 20TH ST Address:

BEARES AUTOMOTIVE CARE Name:

Year: 2008

340 N 20TH ST Address:

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

G31 DOLINE A STANAWAY LUST U003364259
NNW 2122 4TH AVE N UST N/A

1/8-1/4 BILLINGS, MT

0.158 mi.

835 ft. Site 1 of 2 in cluster G

Relative: LUST:

Lower Facility ID: 5613669 Federally Regulated: Yes

Actual: Release ID: 3414
3118 ft. Date of Release: 04/15/1998
Fund Eligible: Not reported

Active Site: No

Transfer Agency Lead: Not reported
Transfer Date: Not reported
EPA Lead: Not reported
Date Resolved: 08/25/1998
Latitude: 45.788827
Longitude: -108.499911

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: Not reported

DEQ Project Manager: Smith, Monte (2335)

UST:

Facility ID: 5613669
Active Tanks: Not reported

Inactive Tanks: 4
Open/Closed?: CLOSE

H32 EDR US Hist Auto Stat 1015333421 NW 2201 4TH AVE N EDR US Hist Auto Stat N/A

1/8-1/4 BILLINGS, MT 59101

0.159 mi.

838 ft. Site 1 of 2 in cluster H

Relative: EDR Historical Auto Stations:

Relative: EDR Historical Auto Stations:
Higher Name: MOBEL SERV AUTO
Year: 2001

Actual: Address: 2201 4TH AVE N 3121 ft.

Name: MOBEL SERV AUTO

Year: 2002

Address: 2201 4TH AVE N

Name: MOBEL SERV AUTO

Year: 2003

Address: 2201 4TH AVE N

Name: MOBEL SERV AUTO

Year: 2004

Address: 2201 4TH AVE N

Name: MOBEL SERVICE AUTO

Year: 2005

Address: 2201 4TH AVE N

Name: MOBEL SERVICE AUTO

Year: 2006

Direction Distance

Elevation Site Database(s) EPA ID Number

(Continued) 1015333421

Address: 2201 4TH AVE N

Name: MOBEL SERV AUTO

Year: 2007

Address: 2201 4TH AVE N

Name: MOBEL SERVICE AUTO

Year: 2008

Address: 2201 4TH AVE N

H33 EDR US Hist Auto Stat 1015335377 NW 2211 4TH AVE N EDR US Hist Auto Stat N/A

1/8-1/4 BILLINGS, MT 59101

0.159 mi.

842 ft. Site 2 of 2 in cluster H

Relative: EDR Historical Auto Stations:

Higher Name: BRAKE SHOP THE Year: 1999

Actual: Address: 2211 4TH AVE N **3122 ft.**

Name: BRAKE SHOP

Year: 2001

Address: 2211 4TH AVE N

Name: BRAKE SHOP

Year: 2002

Address: 2211 4TH AVE N

Name: THE BRAKE SHOP

Year: 2004

Address: 2211 4TH AVE N

Name: THE BRAKE SHOP

Year: 2007

Address: 2211 4TH AVE N

Name: BRAKE BROTHERS INC

Year: 2008

Address: 2211 4TH AVE N

Name: BRAKE SHOP

Year: 2010

Address: 2211 4TH AVE N

Name: THE BRAKE SHOP

Year: 2011

Address: 2211 4TH AVE N

Name: THE BRAKE SHOP

Year: 2012

Address: 2211 4TH AVE N

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

G34 QUALITY CONCRETE CO UST LUST U001881208
NNW 2111 4TH AVE N UST N/A

NNW 2111 4TH AVE N 1/8-1/4 BILLINGS, MT

0.161 mi.

851 ft. Site 2 of 2 in cluster G

Relative: LUST:

Lower Facility ID: 5606137
Federally Regulated: Yes

 Actual:
 Release ID:
 4583

 3118 ft.
 Date of Release:
 05/08/2007

 Fund Eligible:
 Not reported

 Active Site:
 Yes

Transfer Agency Lead:
Transfer Date:

EPA Lead:
Date Resolved:
Latitude:

Longitude:

Not reported
Not reported
Not reported
Astroported
Not reported
Not reported
-108.50076

Lat/Long Method: Navigation - Quality GPS

Detail as of 06/16/2014:

Priority: 2.0 - Medium Priority Characterization

DEQ Project Manager: Pool Billings, LUST (24472)

UST:

Facility ID: 5606137
Active Tanks: Not reported

Inactive Tanks: 4
Open/Closed?: CLOSE

 I35
 DONS CAR WASH 1ST AVE
 LUST
 U003364131

 ENE
 1924 1ST AVE N
 UST
 N/A

1/8-1/4 BILLINGS, MT 0.166 mi.

876 ft. Site 1 of 6 in cluster I

Relative: LUST:

 Lower
 Facility ID:
 5606956

 Federally Regulated:
 Yes

 Actual:
 Release ID:
 1370

 3115 ft.
 Date of Release:
 09/03/1992

 Fund Eligible:
 Not reported

Active Site:

Transfer Agency Lead:

No Not reported

Not reported

FPA Lead:

Not reported

Not reported

EPA Lead: Not reported
Date Resolved: 01/16/2007
Latitude: 45.787453
Longitude: -108.494791

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: Not reported

DEQ Project Manager: Unassigned, DEQ Officer (20213)

UST:

Facility ID: 5606956
Active Tanks: 3
Inactive Tanks: 4

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DONS CAR WASH 1ST AVE (Continued)

Open/Closed?: **OPEN**

EDR US Hist Auto Stat 1015293118 136

1924 1ST AVE N N/A

1/8-1/4 BILLINGS, MT 59101

0.166 mi.

ENE

876 ft. Site 2 of 6 in cluster I

EDR Historical Auto Stations: Relative:

AUTOMATIC LLC Name: Lower

Year: 2005 Actual: Address:

1924 1ST AVE N 3115 ft.

> Name: DONS CAR WASH

Year: 2010

1924 1ST AVE N Address:

137 **DOLLAR RENT A CAR** LUST U003740121

ENE 1921 1ST AVE N

1/8-1/4 **BILLINGS, MT**

0.168 mi.

887 ft. Site 3 of 6 in cluster I

LUST: Relative:

Facility ID: 5613982 Lower Federally Regulated: Yes Actual: Release ID: 3965 3115 ft.

Date of Release: 06/01/2000 Fund Eligible: Not reported **Active Site:** Yes

Transfer Agency Lead: Not reported Transfer Date: Not reported EPA Lead: Not reported Date Resolved: Not reported Latitude: 45.787453 Longitude: -108.494791

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: 1.1 - High Priority/Emergency response

DEQ Project Manager: Stremcha, Marla (17451)

UST:

Facility ID: 5613982 Active Tanks: Not reported

Inactive Tanks:

Open/Closed?: **CLOSE** U003364131

UST

N/A

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

J38 **RENT A WRECK** UST U003364225 N/A

SW 2421 1ST AVE N 1/8-1/4 **BILLINGS, MT**

0.171 mi.

903 ft. Site 1 of 2 in cluster J

UST: Relative:

Facility ID: Higher 5611069

Active Tanks: Not reported Actual: Inactive Tanks:

3123 ft. Open/Closed?: CLOSE

J39 **ANGRY HANKS** UST U004217735

SW 2405 1ST AVE NORTH N/A

1/8-1/4 **BILLINGS, MT**

0.171 mi.

904 ft. Site 2 of 2 in cluster J

UST: Relative:

Facility ID: Higher

6015236 Active Tanks: Not reported

Actual: Inactive Tanks: 3 3123 ft. Open/Closed?: CLOSE

US BROWNFIELDS K40 **MACON SUPPLY, INC.- FORMER LOCATION** 1016636512 **FINDS** N/A

WNW **401 NORTH 23RD STREET**

1/8-1/4 BILLINGS, MT 59101

0.178 mi.

Site 1 of 2 in cluster K 939 ft.

Relative: Higher

US BROWNFIELDS:

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

Actual: MACON SUPPLY, INC.- FORMER LOCATION Property name: 3123 ft.

Property #: 031333333000200000

Parcel size: Property Description: Property use includes commercial storage of chemicals used in the

concrete industry for the past few decades. Property is for sale and

is currently vacant.

45.788067 Latitude: Longitude: -108.502065 HCM label: Not reported Map scale: Not reported

Point of reference: Center of a Facility or Station World Geodetic System of 1984 Datum:

ACRES property ID: 108721 Start date: Not reported Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 5149

US EPA - Brownfields Assessment Cooperative Agreement Assessment funding source:

Redevelopment funding: Not reported Redev. funding source: Not reported Redev. funding entity name: Not reported Redevelopment start date: Not reported EPA Assessment funding entity:

Direction Distance Elevation

Site Database(s) EPA ID Number

MACON SUPPLY, INC.- FORMER LOCATION (Continued)

1016636512

EDR ID Number

Cleanup funding entity: Not reported

Grant type: H

Accomplishment type: Phase I Environmental Assessment

Accomplishment count:

Cooperative agreement #: 97858101 Ownership entity: Private

Current owner: M&O Properties- Thomas D. and Sheri J. Moffet

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

N

N

N

No

IC Category proprietary controls:
IC cat. info. devices:
IC cat. gov. controls:
IC cat. enforcement permit tools:
IC in place date:

Not reported
Not reported
Not reported
Not reported

IC in place: No

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Not reported Controled substance found: Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Not reported Groundwater affected: Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported

No media affected: Y

Unknown media affected: Not reported Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported Not reported PAHs cleaned up: PCBs found: Not reported Not reported PCBs cleaned up: Not reported Petro products found: Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage:

Not reported

Not reported

Not reported

Distance Elevation Site

Database(s)

1016636512

EDR ID Number

EPA ID Number

MACON SUPPLY, INC.- FORMER LOCATION (Continued)

Past use commercial acreage: .48

Past use industrial acreage:

Future use greenspace acreage:

Future use residential acreage:

Future use commercial acreage:

Future use industrial acreage:

Future use industrial acreage:

Greenspace acreage and type:

Not reported

Not reported

Not reported

Not reported

Superfund Fed. landowner flag: N

Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Not reported Chromium cleaned up: Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Not reported Pesticides cleaned up: Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Not reported Media affected indoor air: Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

FINDS:

Registry ID: 110041620190

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to

electronically submit data directly to EPA.

Direction Distance

Distance Elevation Site EDR ID Number Database(s) EPA ID Number

I41 WILCOXSONS ICE CREAM BILLINGS LUST U003364097
ENE 114 N 19TH ST UST N/A

ENE 114 N 19TH ST 1/8-1/4 BILLINGS, MT

0.180 mi.

952 ft. Site 4 of 6 in cluster I

Relative: LUST:

Lower Facility ID: 5605935

Actual: Release ID: 2013
3115 ft. Date of Release: 12/10/1993
Fund Eligible: Not reported
Active Site: Yes

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: 2.0 - Medium Priority Characterization

DEQ Project Manager: Pool Billings, LUST (24472)

UST:

Facility ID: 5605935
Active Tanks: Not reported

Inactive Tanks:

Open/Closed?: CLOSE

 L42
 AMERICAN RENTALL
 RCRA NonGen / NLR
 1000830986

 North
 2030 4TH AVE N
 MTD986072288

North 2030 4TH AVE N 1/8-1/4 BILLINGS, MT 59101

0.181 mi.

956 ft. Site 1 of 5 in cluster L

Relative: RCRA NonGen / NLR:

Lower Date form received by agency: 07/15/1992
Facility name: AMERICAN RENTALL

Actual: Facility address: 2030 4TH AVE N
3117 ft. BILLINGS, MT 59101

EPA ID: MTD986072288
Mailing address: N BROADWAY

BILLINGS, MT 59101

tt: MARGARET HOFACKER

Contact: MARGARET HOFACKI
Contact address: 115 N BROADWAY
BILLINGS, MT 59101

Contact country: US

Contact telephone: (406) 248-6771 Contact email: Not reported

EPA Region: 08
Land type: Private
Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: COM REALTY INC
Owner/operator address: 2700 SANDERS ROAD

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AMERICAN RENTALL (Continued)

1000830986

PROSPECT HEIGHTS, IL 60070

Owner/operator country: Not reported Owner/operator telephone: (708) 564-6648 Legal status: Private Owner/Operator Type: Owner Not reported Owner/Op start date: Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: Nο Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: D006 Waste name: **CADMIUM**

Waste code: D007

Waste name: **CHROMIUM**

Waste code: D008 Waste name: **LEAD** D010 Waste code:

Waste name: **SELENIUM**

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/23/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

L43 JEM NORTH - 2024/2030 4TH AVE N

US BROWNFIELDS 1014781128 N/A

North 2030 4TH AVENUE NORTH

US BROWNFIELDS:

1/8-1/4 BILLINGS, MT 59101 0.181 mi.

Site 2 of 5 in cluster L 956 ft.

Relative: Recipient name: Big Sky Economic Development Authority Lower

Grant type: Assessment

Actual: JEM NORTH - 2024/2030 4TH AVE N Property name:

3117 ft.

Property #: 03103333327080000

Parcel size: .95

Direction Distance

Elevation Site Database(s) EPA ID Number

JEM NORTH - 2024/2030 4TH AVE N (Continued)

1014781128

EDR ID Number

Property Description: 2030 4th Avenue North and 2024 4th Avenue North - HKM identified the

property located at 2030 4th Avenue North as registered in the Montana Department of Environmental Quality MDEQ underground storage tank UST and leaking underground storage tank LUST databases. The 1948 Sanborn map indicated it was a truck storage and repair facility

and in 1968, it housed a plaster/steel/concrete building.

Correspondence with the MDEQ indicated that a used oil release was discovered at the FKA Contractors Equipment Center former name on February 26, 1992. The petroleum Release number is 1106 and the Facility number is 56-06752. The release was resolved on August 19, 1993. The release was Petro-Fund eligible. When the former land owner purchased the property, he was told the site was once contaminated but had been remediated. However residual contamination is present at the site. Groundwater is expected to flow south and east across the site. The building at 2030 4th Avenue North is also listed as 2024 4th Avenue North therefore it is assumed to be the same building.

Latitude: 45.7886055 Longitude: -108.4996384

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 125410
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 14443

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:

Not reported
Not reported
Not reported
Not reported
Pea

Grant type:

Accomplishment type: Phase II Environmental Assessment

Accomplishment count: Cooperative agreement #: 97858101 Ownership entity: Private Current owner: JEM LLC Did owner change: Ν Cleanup required: No Video available: No Photo available: Yes Institutional controls required:

IC Category proprietary controls:
IC cat. info. devices:
IC cat. gov. controls:
IC cat. enforcement permit tools:
IC in place date:
IC in place:
Not reported

State/tribal program date:
State/tribal program ID:
Not reported
State/tribal NFA date:
Not reported
Not reported
Not reported
Not reported
Not reported

Direction Distance Elevation

Site Database(s) **EPA ID Number**

JEM NORTH - 2024/2030 4TH AVE N (Continued)

1014781128

EDR ID Number

Air cleaned: Not reported

Asbestos found:

Asbestos cleaned: Not reported Not reported Controled substance found: Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported

Groundwater affected:

Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported

Other contaminants found:

Other contams found description: lead based paint PAHs found: Not reported PAHs cleaned up: Not reported Not reported PCBs found: PCBs cleaned up: Not reported

Petro products found:

Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported

Soil affected:

Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Not reported Past use residential acreage:

Past use commercial acreage: .95

Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported

Future use commercial acreage: .95

Not reported Future use industrial acreage: Not reported Greenspace acreage and type:

Superfund Fed. landowner flag:

Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

JEM NORTH - 2024/2030 4TH AVE N (Continued)

1014781128

Chromium contaminant found: Not reported Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Nickel contaminant found: Not reported Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Not reported Unknown media cleaned up: Past Use: Multistory Not reported

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

JEM NORTH - 2024/2030 4TH AVE N Property name:

Property #: 03103333327080000

Parcel size:

Property Description: 2030 4th Avenue North and 2024 4th Avenue North - HKM identified the

property located at 2030 4th Avenue North as registered in the

Montana Department of Environmental Quality MDEQ underground storage tank UST and leaking underground storage tank LUST databases. The 1948 Sanborn map indicated it was a truck storage and repair facility

and in 1968, it housed a plaster/steel/concrete building.

Correspondence with the MDEQ indicated that a used oil release was discovered at the FKA Contractors Equipment Center former name on February 26, 1992. The petroleum Release number is 1106 and the Facility number is 56-06752. The release was resolved on August 19, 1993. The release was Petro-Fund eligible. When the former land owner purchased the property, he was told the site was once contaminated but had been remediated. However residual contamination is present at the site. Groundwater is expected to flow south and east across the site. The building at 2030 4th Avenue North is also listed as 2024 4th Avenue North therefore it is assumed to be the same building.

Latitude: 45.7886055 Longitude: -108.4996384

Address Matching-House Number HCM label:

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station World Geodetic System of 1984 Datum:

ACRES property ID: 125410 Start date: Not reported Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding:

US EPA - Brownfields Assessment Cooperative Agreement Assessment funding source:

Redevelopment funding: Not reported Redev. funding source: Not reported Redev. funding entity name: Not reported Redevelopment start date: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

JEM NORTH - 2024/2030 4TH AVE N (Continued)

1014781128

EDR ID Number

Assessment funding entity: EPA
Cleanup funding entity: Not reported

Grant type: P

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

97858101 Cooperative agreement #: Ownership entity: Private Current owner: JEM LLC Did owner change: Ν Cleanup required: No Video available: No Photo available: Yes Institutional controls required: U

IC Category proprietary controls:
IC cat. info. devices:
IC cat. gov. controls:
IC cat. enforcement permit tools:
IC in place date:

Not reported
Not reported
Not reported
Not reported

IC in place: No

State/tribal program date:
State/tribal program ID:
Not reported
State/tribal NFA date:
Not reported
Air contaminated:
Not reported
Air cleaned:
Air cleaned:
Asbestos found:

Not reported
Y

Asbestos found.

Asbestos cleaned:

Controled substance found:

Controled substance cleaned:

Drinking water affected:

Drinking water cleaned:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Groundwater affected: Y

Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported Not reported No media affected: Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported

Other contaminants found: Y

Other contams found description: lead based paint PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported

Petro products found: Y

Petro products cleaned:
Sediments found:
Not reported
Sediments cleaned:
Not reported
Not reported

Soil affected:

Soil cleaned up:

Surface water cleaned:

VOCs found:

VOCs cleaned:

VOCs cleaned:

Cleanup other description:

Not reported

Direction Distance Elevation

ce EDR ID Number on Site Database(s) EPA ID Number

JEM NORTH - 2024/2030 4TH AVE N (Continued)

1014781128

Past use residential acreage:
Past use commercial acreage:
Past use industrial acreage:
Past use industrial acreage:
Puture use greenspace acreage:
Puture use residential acreage:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported
Not seported

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag: Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Not reported Chromium cleaned up: Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported Not reported No clean up: Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Not reported Iron contaminant found: Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported

L44 FKA CONTRACTORS EQUIPMENT CENTER
North 2030 4TH AVE N

Building material media cleaned up: Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Media affected Bluiding Material:

Media affected indoor air:

Indoor air media cleaned up:

Unknown media cleaned up:

Past Use: Multistory

North 2030 4TH AVE 1/8-1/4 BILLINGS, MT 0.181 mi.

956 ft. Site 3 of 5 in cluster L

Relative: LUST: Lower Fac

Actual:

3117 ft.

Facility ID: 5606752
Federally Regulated: Yes
Release ID: 1106
Date of Release: 02/26/1992

Fund Eligible: Not reported

Active Site: No

Transfer Agency Lead: Not reported Not reported Not reported EPA Lead: Not reported Date Resolved: 08/19/1993

LUST

UST

U001881086

N/A

Direction Distance

Elevation Site Database(s) **EPA ID Number**

FKA CONTRACTORS EQUIPMENT CENTER (Continued)

U001881086

EDR ID Number

Latitude: 45.789453 Longitude: -108.498591

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: Not reported DEQ Project Manager: Smith, Monte (2335)

UST:

Facility ID: 5606752 Not reported Active Tanks:

Inactive Tanks: CLOSE Open/Closed?:

145 **ERNIES AUTO SALES** LUST U003711939 1901 1ST AVE N UST **ENE** N/A

1/8-1/4 **BILLINGS, MT** 0.181 mi.

957 ft. Site 5 of 6 in cluster I

LUST: Relative:

Facility ID: 5613967 Lower

Federally Regulated: Yes Actual: Release ID: 3899 3115 ft. Date of Release: 01/13/2000

Fund Eligible: Not reported

Active Site: No

Transfer Agency Lead: Not reported Transfer Date: Not reported EPA Lead: Not reported Date Resolved: 05/31/2001 Latitude: 45.787453 Longitude: -108.494791

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: Not reported DEQ Project Manager: Raty, John (18983)

UST:

Facility ID: 5613967 Active Tanks: Not reported

Inactive Tanks: Open/Closed?: CLOSE

BUNN DRUG LAB 1000304884 146 RCRA NonGen / NLR MTD982591521

111 N 19TH ST **ENE** 1/8-1/4 BILLINGS, MT 59101

0.183 mi.

964 ft. Site 6 of 6 in cluster I

Relative: Date form received by agency: 11/02/2000 Lower

RCRA NonGen / NLR:

Facility name: **BUNN DRUG LAB**

Actual: Facility address: 111 N 19TH ST 3115 ft. BILLINGS, MT 59101

Direction Distance

Elevation Site Database(s) EPA ID Number

BUNN DRUG LAB (Continued)

1000304884

EDR ID Number

EPA ID: MTD982591521 Mailing address: N 19TH ST

BILLINGS, MT 59101

Contact: Not reported
Contact address: Not reported
Not reported

Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 08

EPA Region: 08
Land type: Private
Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: RAY BUNN
Owner/operator address: 222 ASH

BILLINGS, MT 59101

Owner/operator country: Not reported Owner/operator telephone: (406) 245-5401

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 11/02/2000

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Direction Distance

Elevation Site Database(s) EPA ID Number

47 EDR US Hist Auto Stat 1015292616 NNE 1920 3RD AVE N P/A

NNE 1920 3RD AVE N 1/8-1/4 BILLINGS, MT 59101

0.184 mi. 970 ft.

Relative: EDR Historical Auto Stations:

Lower Name: 3RD AVENUE AUTO REPAIR LLC

Year: 2007

Actual: Address: 1920 3RD AVE N **3115 ft.**

Name: 3RD AVENUE AUTO REPAIR LLC

Year: 2008

Address: 1920 3RD AVE N

L48 JEM NORTH - 2018 4TH AVE N US BROWNFIELDS 1014781129
North 2018 4TH AVENUE NORTH N/A

1/8-1/4 BILLINGS, MT 59101

0.184 mi.

972 ft. Site 4 of 5 in cluster L

Relative: US BROWNFIELDS: Lower Recipient name:

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

Actual: Property name: JEM NORTH - 2018 4TH AVE N 03103333327400000 03103333327400000

ft. Property #: 031
Parcel size: .22

Property Description: No structures exist at 2018 4th Avenue North. The lot is currently

fenced. 2018 4th Avenue North and 2023 3rd Avenue North are believed to have been vacant lots. A LUST site located north of the subject property at 2111 4th Avenue North is currently listed as Ghigh priorityG and groundwater flow direction is assumed to be south and

east across the site which would put the subject properties downgradient in terms of groundwater contamination.

Latitude: 45.788246 Longitude: -108.498751

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 125414
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported

Assessment funding: 2644

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:

Not reported
Not reported
EPA
Not reported

Grant type: P

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 97858101
Ownership entity: Private
Current owner: JEM LLC

EDR ID Number

Direction Distance Elevation

tion Site Database(s) EPA ID Number

JEM NORTH - 2018 4TH AVE N (Continued)

1014781129

EDR ID Number

Did owner change: N
Cleanup required: No
Video available: No
Photo available: Yes
Institutional controls required: N

IC Category proprietary controls:
IC cat. info. devices:
IC cat. gov. controls:
IC cat. enforcement permit tools:
IC in place date:

Not reported
Not reported
Not reported
Not reported

IC in place: No

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Not reported Lead cleaned up: No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Not reported Not reported Other metals found: Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported Not reported PAHs cleaned up: PCBs found: Not reported PCBs cleaned up: Not reported

Petro products found: Y

Petro products cleaned:
Sediments found:
Not reported
Not reported
Not reported
Not reported

Soil affected: Y

Soil cleaned up: Not reported Not reported Surface water cleaned: Not reported VOCs found: VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Not reported Past use residential acreage: Past use commercial acreage: Not reported Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Not reported Future use residential acreage:

Future use commercial acreage: .22

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

JEM NORTH - 2018 4TH AVE N (Continued)

1014781129

EDR ID Number

Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Copper cleaned up: Not reported Iron cleaned up: Not reported Not reported mercury cleaned up: Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Not reported Indoor air media cleaned up: Unknown media cleaned up: Not reported Past Use: Multistory Not reported

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

Property name: JEM NORTH - 2018 4TH AVE N

Property #: 03103333327400000

Parcel size: .22

Property Description: No structures exist at 2018 4th Avenue North. The lot is currently

fenced. 2018 4th Avenue North and 2023 3rd Avenue North are believed to have been vacant lots. A LUST site located north of the subject property at 2111 4th Avenue North is currently listed as Ghigh

priorityG and groundwater flow direction is assumed to be south and east across the site which would put the subject properties downgradient in terms of groundwater contamination.

Latitude: 45.788246 Longitude: -108.498751

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 125414
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JEM NORTH - 2018 4TH AVE N (Continued)

1014781129

Assessment funding: 14443

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Redev. funding source: Not reported Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: **EPA**

Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase II Environmental Assessment

Accomplishment count: 97858101 Cooperative agreement #: Ownership entity: Private Current owner: JEM LLC Did owner change: Cleanup required: No Video available: Nο

Photo available: Yes Institutional controls required:

Not reported IC Category proprietary controls: IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported

IC in place: No State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Not reported Air cleaned: Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Not reported Drinking water cleaned: Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported Not reported No media affected: Not reported

Unknown media affected: Other cleaned up: Not reported Not reported Other metals found: Not reported Other metals cleaned: Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported

Petro products found:

Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported

Soil affected:

Soil cleaned up: Not reported Map ID MAP FINDINGS Direction

Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

JEM NORTH - 2018 4TH AVE N (Continued)

1014781129

Surface water cleaned: Not reported VOCs found: Not reported Not reported VOCs cleaned: Not reported Cleanup other description: Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Not reported Future use residential acreage: Future use commercial acreage: .22

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag:

Arsenic cleaned up: Not reported Not reported Cadmium cleaned up: Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported Not reported mercury cleaned up: nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Past Use: Multistory Not reported

1001078945 K49 THE WOOD DOCTORS RCRA-CESQG WNW MTR000001255 2319 4TH AVE N

1/8-1/4 0.184 mi.

973 ft. Site 2 of 2 in cluster K

BILLINGS, MT 59101

RCRA-CESQG: Relative:

Date form received by agency: 12/07/2001 Higher

THE WOOD DOCTORS Facility name: Actual: 2319 4TH AVE N Facility address: 3124 ft. BILLINGS, MT 59101

Direction Distance

Elevation Site Database(s) **EPA ID Number**

THE WOOD DOCTORS (Continued)

1001078945

EDR ID Number

EPA ID: MTR000001255

Mailing address: 4TH AVE N BILLINGS, MT 59101

DAN ROBISON Contact: Contact address: 2319 4TH AVE N

BILLINGS, MT 59101

Contact country: US

Contact telephone: (406) 259-7709 Contact email: Not reported

EPA Region: 80 Land type: Private

Conditionally Exempt Small Quantity Generator Classification:

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: DAN ROBISON Owner/operator address: 2319 4TH AVE N BILLINGS, MT 59101

Not reported

Owner/operator country: Owner/operator telephone: (406) 259-7709

Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 12/07/2001 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Nο Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No No Used oil processor: User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Direction Distance

Elevation **EPA ID Number** Site Database(s)

THE WOOD DOCTORS (Continued)

1001078945

EDR ID Number

Historical Generators:

Date form received by agency: 10/05/1995

THE WOOD DOCTORS Site name:

Classification: Conditionally Exempt Small Quantity Generator

Waste code: F002

THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, Waste name:

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 12/07/2001

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 10/20/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

50 **MIDLAND WEST MINNESOTA AVE**

RCRA-CESQG 1001124339 2224 MINNESOTA AVE MTR000003053

SSE 1/8-1/4 BILLINGS, MT 59101

0.186 mi. 983 ft.

RCRA-CESQG: Relative:

Date form received by agency: 03/05/2003 Higher

MIDLAND WEST MINNESOTA AVE Facility name:

Actual: 3121 ft. Facility address: 2224 MINNESOTA AVE BILLINGS, MT 59101

EPA ID: MTR000003053 Mailing address: MINNESOTA AVE

> BILLINGS, MT 59101 PETER V GANNON

Contact: Contact address: MINNESOTA AVE BILLINGS, MT 59101

Contact country: US

Contact telephone: (406) 245-6204 Contact email: Not reported

EPA Region: 80 Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

Direction Distance Elevation

Site Database(s) **EPA ID Number**

MIDLAND WEST MINNESOTA AVE (Continued)

1001124339

EDR ID Number

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

JOHN PINNOW Owner/operator name:

Owner/operator address: 2224 MINNESOTA AVE

BILLINGS, MT 59101

Owner/operator country: Not reported Owner/operator telephone: (406) 245-6204

Legal status:

Private

Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Owner/operator name: MIDLAND WEST MINNESOTA AVE Owner/operator address:

BILLINGS, MT 59101

Owner/operator country: US

(406) 245-6204 Owner/operator telephone:

Legal status:

Private Owner 01/01/2000

Owner/Operator Type: Owner/Op start date: Owner/Op end date: Not reported

Owner/operator name: JOHN PINNOW

2224 MINNESOTA AVE Owner/operator address: BILLINGS, MT 59101

Owner/operator country: US

Owner/operator telephone: (406) 245-6204

Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 10/25/1996 Owner/Op end date: 01/01/2000

Owner/operator name: MIDLAND WEST Owner/operator address: MINNESOTA AVE

BILLINGS, MT 59101

Owner/operator country: US

Owner/operator telephone: (406) 245-6204

Legal status: Private Operator Owner/Operator Type: Owner/Op start date: 01/01/2000 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No

Direction Distance Elevation

EDR ID Number tion Site Database(s) EPA ID Number

MIDLAND WEST MINNESOTA AVE (Continued)

1001124339

Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: Nο On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: Nο Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D012
Waste name: ENDRIN

(1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN

O, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)

Waste code: D018
Waste name: BENZENE

. Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

. Waste code: D040

. Waste name: TRICHLORETHYLENE

Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT
NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS
CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED
SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR
MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL
BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 10/31/1996

Site name: MIDLAND WEST MANUFACTURING MINNESOTA

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MIDLAND WEST MINNESOTA AVE (Continued)

1001124339

Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/11/2003

NON-FINANCIAL RECORD REVIEW Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 10/25/1996

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

M51 MONTANA RAIL LINK INC BILLINGS UST U003906690 N/A

2100 MINNESOTA AVE SE

1/8-1/4 **BILLINGS, MT**

0.187 mi.

985 ft. Site 1 of 3 in cluster M

UST: Relative:

Facility ID: 5614079 Lower Active Tanks: Not reported

Actual: Inactive Tanks:

3117 ft. Open/Closed?: CLOSE

M52 YELLOW FREIGHT SYSTEM INC BILLINGS **RCRA NonGen / NLR** 1004744006 MT0000027649

SE 15 S 21ST ST 1/8-1/4 BILLINGS, MT 59101

0.196 mi.

1035 ft. Site 2 of 3 in cluster M

RCRA NonGen / NLR: Relative: Date form received by agency: 03/31/2008 Lower

YELLOW FREIGHT SYSTEM INC BILLINGS Facility name:

Actual: Facility address: 15 S 21ST ST 3116 ft. BILLINGS, MT 59101

EPA ID: MT0000027649

Mailing address: S 21ST ST BILLINGS, MT 59101

BILLIE SPITZER Contact:

Contact address: S 21ST ST BILLINGS, MT 59101

Contact country: US

Contact telephone: (406) 252-7173 Contact email: Not reported

EPA Region: 80 Land type: Private Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: YELLOW FREIGHT SYSTEM INC.

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

YELLOW FREIGHT SYSTEM INC BILLINGS (Continued)

1004744006

Owner/operator address: 15 SOUTH 21ST STREET

BILLINGS, MT 59101 Not reported

Owner/operator country: Owner/operator telephone: (406) 252-7173

Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 01/01/1776 Owner/Op end date: Not reported

Owner/operator name: YELLOW FREIGHT SYSTEM INC.

Owner/operator address: 15 SOUTH 21ST STREET

BILLINGS, MT 59101

Owner/operator country: Not reported Owner/operator telephone: (406) 252-7173 Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Nο Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: D001

Waste name: **IGNITABLE WASTE**

Historical Generators:

Date form received by agency: 10/15/1993

Site name: YELLOW FREIGHT SYSTEM INC BILLINGS Classification: Conditionally Exempt Small Quantity Generator

Waste code:

IGNITABLE WASTE Waste name:

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/31/2008

NON-FINANCIAL RECORD REVIEW Evaluation:

Not reported Area of violation: Not reported Date achieved compliance: Evaluation lead agency: State

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

YELLOW FREIGHT SYSTEM INC BILLINGS (Continued)

1004744006

Evaluation date: 03/22/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

 M53
 YELLOW FREIGHT DEPOT
 LUST
 U001881271

 SE
 15 S 21ST ST
 UST
 N/A

SE 15 S 21ST ST 1/8-1/4 BILLINGS, MT

0.196 mi.

1035 ft. Site 3 of 3 in cluster M

Relative: LUST:

 Lower
 Facility ID:
 5602627

 Federally Regulated:
 Yes

 Actual:
 Release ID:
 1096

 3116 ft.
 Date of Release:
 02/19/1992

 Fund Eligible:
 Not reported

Active Site: No

Transfer Agency Lead:

Not reported
Not reported
PA Lead:
Not reported
Not reported
12/07/1993
Latitude:
Longitude:
Not reported
12/07/1993
-108.495591

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: Not reported

DEQ Project Manager: VanDeberg, Gregory (18980)

UST:

Facility ID: 5602627
Active Tanks: Not reported Inactive Tanks: 2
Open/Closed?: CLOSE

L54 NEAL PROPERTY - 421 NORTH 20TH US BROWNFIELDS 1014477126
North 421 NORTH 20TH STREET ALSO KNOWN AS 427 NORTH 20TH STREET N/A

1/8-1/4 BILLINGS, MT 59101

0.204 mi. 1075 ft.

Site 5 of 5 in cluster L

Relative: US BROWNFIELDS:

Lower Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

Actual: Property name: NEAL PROPERTY - 421 NORTH 20TH

3117 ft. Property #: 03103333339020000

Parcel size: .26

Property Description: This address is listed as 427 North 20th Street on the Montana

Cadastral on-line parcel locator database. The property was vacant land in 1912 with roads present to the north and west. A railroad line was present in the south. In 1948, it was listed as "truck

parts." It was occupied by HCL Equipment ni 1963 and listed as Grain Thumb in 1989. It was occupied by harper Tool in 1995 and 2001 and

listed as residential in 2010.

Latitude: 45.79019

Direction Distance

Elevation Site Database(s) EPA ID Number

NEAL PROPERTY - 421 NORTH 20TH (Continued)

1014477126

EDR ID Number

Longitude: -108.498696 HCM label: Not reported Map scale: Not reported

Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 122485
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 2223

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:

Not reported
Not reported
Not reported
EPA

Cleanup funding entity: Not reported

Grant type: H

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 97858101 Ownership entity: Private

Current owner: Claren Neal and Donna Braun

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

N

N

No

IC Category proprietary controls:
IC cat. info. devices:
IC cat. gov. controls:
IC cat. enforcement permit tools:
IC in place date:
IC in place:
IC category proprietary controls:
Not reported
Not reported
Not reported
Not reported

State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Not reported Asbestos found: Asbestos cleaned: Not reported Not reported Controled substance found: Not reported Controled substance cleaned: Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported

No media affected: Y

Unknown media affected:
Other cleaned up:
Other metals found:
Other metals cleaned:
Other contaminants found:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation Site

Database(s)

EDR ID Number EPA ID Number

NEAL PROPERTY - 421 NORTH 20TH (Continued)

1014477126

Other contams found description: Not reported Not reported PAHs found: PAHs cleaned up: Not reported Not reported PCBs found: PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Not reported Sediments found: Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Not reported Surface water cleaned: VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: .26 Past use industrial acreage: Not reported Not reported Future use greenspace acreage: Future use residential acreage: Not reported Future use commercial acreage: Not reported Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Not reported Iron cleaned up: mercury cleaned up: Not reported Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Not reported Nickel contaminant found: No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Not reported Building material media cleaned up:

Indoor air media cleaned up:

Unknown media cleaned up:

Past Use: Multistory

Not reported

Not reported

Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

55 PETROLANE MIDLAND UST U001881200 South 2323 MINNESOTA AVE

N/A

1/8-1/4 **BILLINGS, MT**

0.207 mi. 1094 ft.

UST: Relative:

Facility ID: 5602578 Higher

Active Tanks: Not reported Actual: Inactive Tanks:

3122 ft. Open/Closed?: CLOSE

N56 **EVERGREEN BUILDERS SUPPLY** WQA S111099134

SSW

DEL SHWS N/A 1/8-1/4 **BILLINGS, MT REM RPROGRAM**

0.209 mi.

1103 ft. Site 1 of 6 in cluster N

MT WQA: Relative:

Site: Higher

EBSB Alternate Name: Not reported

Actual: 45.752600000000001 Latitude: 3123 ft. -108.59335 Longitude:

Program: WQA

DELETED HWS:

EBSB Site: Program: WQA Ranking Code: NFA Delisted Date: 10/3/1997 Retrived Date: 05/31/2015 Program Date: None Listed: 3/3/1997 Referredj Date: 4/16/1997

REM RPROGRAM:

Site ID: **EBSB**

Lat/Long: 45.752600 / -108.59335

WQA Program: Alias Names: Not reported Operation: Not reported Location: Not reported Township: 1S 26E Range: P Section: 3

LL Coment: Updated 3/6/15 by S. Trahan using Topofinder & DEQ Mapping Tool.

Delisted Date: 10/03/1997 Not reported Petition Date: Not reported Agreement Date: MDEQ STAFF Name: Phone Work: (406) 444-6444 EMail: Not reported Retrieve Date Site Summary: 05/31/2015 Site Summary: Not reported

Detail As Of March 2013:

Start Date: 03/03/1997 10/03/1997 End Date: Report Date: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

EVERGREEN BUILDERS SUPPLY (Continued)

S111099134

EDR ID Number

Description: Notice Letter - Spill-diesel - Entire Site

Cleanup required. 10-03-97. ENF ID # 640. CVID # 662. Purpose:

Program:

Program: WQA Program Date: Not reported Listed Date: 03/03/1997 **DeListed Date:** 10/03/1997 State Rank: No further action Referred: 04/16/1997

N57 **HEIGHTS CONOCO** WQA S111099162 SSW **DEL SHWS** N/A

1/8-1/4

REM RPROGRAM BILLINGS, MT

0.209 mi.

1103 ft. Site 2 of 6 in cluster N

MT WQA: Relative:

HTCB Higher Site: Alternate Name: Not reported

Actual: 45.822850000000003 Latitude:

3123 ft. -108.47129 Longitude:

Program: WQA

DELETED HWS:

HTCB Site: WQA Program: Ranking Code: NFA **Delisted Date:** 1/7/1999 Retrived Date: 05/31/2015 Program Date: 5/29/1996 Listed: 5/29/1996 Referredj Date: 5/29/1996

REM RPROGRAM:

HTCB Site ID:

45.822850 / -108.47129 Lat/Long:

Program: WQA Alias Names: Not reported

Operated from 5/2/96 to Operation:

Location: Not reported Township: 1S Range: 26E P Section:

LL Coment: Updated 3/6/15 by S. Trahan

Delisted Date: 01/07/1999 Not reported Petition Date: Agreement Date: Not reported MDEQ STAFF Name: Phone Work: (406) 444-6444 EMail: Not reported Retrieve Date Site Summary: 05/31/2015

Site Summary: Heights Conoco, BillingsAugust 18, 1998On May 2, 1996 the Water

> Quality Bureau (WQB) received a verbal complaint from a neighboring resident of the Heights Conoco service station. The complaint was

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HEIGHTS CONOCO (Continued)

S111099162

regarding oil staining which had occurred on a r

Detail As Of March 2013:

Start Date: 05/02/1996 End Date: 01/07/1999 Report Date: Not reported

Description: Notice Letter - Sump oil - Entire Site

Investigation conducted; 782 AREF to C.D. 03-25-97; 38 AREF to C.D. Purpose:

05-29-96. 01-07-99. ENF ID # 34#96036B-. CVID # 38782.

Program:

WQA Program: Program Date: 05/29/1996 Listed Date: 05/29/1996 DeListed Date: 01/07/1999 State Rank: No further action Referred: 05/29/1996

CLOVERLEAF SUBDIVISION N58 S111099088 WQA

SSW **DEL SHWS** N/A 1/8-1/4 **BILLINGS, MT REM RPROGRAM**

0.209 mi.

Site 3 of 6 in cluster N 1103 ft.

MT WQA: Relative:

Site: CLSB Higher Alternate Name: Not reported

Actual: 45.780284000000002 Latitude:

3123 ft. Longitude: -108.632075

Program: WQA

DELETED HWS:

CLSB Site: Program: WQA Ranking Code: NFA Delisted Date: 1/29/1998 05/31/2015 Retrived Date: Program Date: None Listed: None Referredj Date: None

REM RPROGRAM:

Site ID: CLSB

45.780284 / -108.63207 Lat/Long:

Program: WQA Alias Names: Not reported Not reported Operation: Location: Not reported

Township: 1S 26E Range: P Section:

LL Coment: Updated by S. Trahan 3/6/15 using Topofinder + google maps

Delisted Date: 01/29/1998 Not reported Petition Date: Agreement Date: Not reported MDEQ STAFF Name:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CLOVERLEAF SUBDIVISION (Continued)

S111099088

S111099184

N/A

WQA

DEL SHWS

REM RPROGRAM

Phone Work: (406) 444-6444 Not reported EMail: Retrieve Date Site Summary: 05/31/2015 Site Summary: Not reported

Detail As Of March 2013:

02/01/1993 Start Date: End Date: 01/01/1900 Report Date: Not reported

Description: Notice Letter - Nitrates in groundwater - Entire Site

Purpose: Department staff sampled domestic wells-assisted Subdivisions. Study &

technical review completed.

Program:

Program: WQA Program Date: Not reported Listed Date: Not reported 01/01/1900 DeListed Date: State Rank: No further action Referred: Not reported

N59 LOCKWOOD WATER USERS ASSOCIATION

SSW 1/8-1/4

BILLINGS, MT

0.209 mi.

Site 4 of 6 in cluster N 1103 ft.

MT WQA: Relative:

LOCK Site: Higher Alternate Name: Not reported

Actual: 45.783329999999999 Latitude:

3123 ft. Longitude: -108.5

WQA Program:

DELETED HWS:

LOCK Site: WQA Program: Ranking Code: REF Delisted Date: 1/1/1900 Retrived Date: 05/31/2015 Program Date: None Listed: None Referredj Date: 1/1/1900

REM RPROGRAM:

LOCK Site ID:

45.783329 / -108.5 Lat/Long:

Program: WQA Alias Names: Not reported Not reported Operation: Location: Not reported

Township: 1S Range: 26E P Section:

LL Coment: ESCRMDS computed TRS from Lat/Long

Delisted Date: 01/01/1900

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LOCKWOOD WATER USERS ASSOCIATION (Continued)

S111099184

S111099209

N/A

WQA

DEL SHWS

REM RPROGRAM

Petition Date: Not reported Not reported Agreement Date: Name: Catherine Fry Phone Work: (406) 841-5066 EMail: kry@mt.gov Retrieve Date Site Summary: 05/31/2015 Not reported Site Summary:

Detail As Of March 2013:

Start Date: 11/01/1992 End Date: 01/01/1900 Report Date: Not reported

Description: Notice Letter - Historic solvents - Entire Site Monitoring required. Referred to CECRA. Purpose:

Program:

Program: WQA Program Date: Not reported Listed Date: Not reported 01/01/1900 DeListed Date:

Referred to another program State Rank:

Referred: 01/01/1900

MPCC

N60 MPC CORRETTE PLANT

SSW 1/8-1/4

BILLINGS, MT

0.209 mi.

1103 ft. Site 5 of 6 in cluster N

MT WQA: Relative:

Site: Higher

Alternate Name: Corette Plant Actual: Latitude:

45.775530000000003 3123 ft. -108.48171000000001 Longitude:

> Program: WQA

DELETED HWS:

MPCC Site: Program: WQA Ranking Code: NFA 2/8/1999 **Delisted Date:** Retrived Date: 05/31/2015 Program Date: None Listed: 9/23/1998 Referredj Date: None

REM RPROGRAM:

Site ID: **MPCC**

45.775530 / -108.48171 Lat/Long:

WQA Program: Alias Names: Corette Plant Operation: Not reported Location: Not reported

Township: 1S Range: 26E P Section: 3

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MPC CORRETTE PLANT (Continued)

S111099209

S111099100

WQA

LL Coment: Updated 3/6/15 by S. Trahan using Topofinder and DEQ Data Mapping Tool

Delisted Date: 02/08/1999 Not reported Petition Date: Agreement Date: Not reported MDEQ STAFF Name: Phone Work: (406) 444-6444 Not reported EMail: Retrieve Date Site Summary: 05/31/2015 Site Summary: Not reported

Detail As Of March 2013:

Start Date: 10/11/1994 End Date: 01/01/1900 Report Date: Not reported

Description: Notice Letter - Locomotive waste oil and diesel - Entire Site

Soil removal conducted. Plans to put in concrete catchment basin and Purpose:

secondary containment berm. Cleanup complete.

Program:

WQA Program:

Program Date: Not reported Listed Date: 09/23/1998 **DeListed Date:** 02/08/1999 State Rank: No further action Referred: Not reported

N61 **CONOCO YELLOWSTONE PIPELINE PUMP STATION**

SSW **DEL SHWS** N/A 1/8-1/4 **BILLINGS, MT REM RPROGRAM**

0.209 mi.

1103 ft. Site 6 of 6 in cluster N

MT WQA: Relative:

CPSB Site: Higher Alternate Name: Not reported

Actual: 45.783329999999999 Latitude:

3123 ft. -108.5 Longitude: Program: WQA

DELETED HWS:

CPSB Site: WQA Program: Ranking Code: NFA Delisted Date: 7/23/2001 Retrived Date: 05/31/2015 Program Date: 5/19/1997 5/19/1997 Listed: Referredj Date: None

REM RPROGRAM:

Site ID: **CPSB**

Lat/Long: 45.783329 / -108.5

Program: WQA Alias Names: Not reported

Operated from 5/19/97 to Operation:

Location: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCO YELLOWSTONE PIPELINE PUMP STATION (Continued)

S111099100

EDR ID Number

Township: 1S Range: 26E P Section: 3

LL Coment: Not reported 07/23/2001 **Delisted Date:** Not reported Petition Date: Agreement Date: Not reported Name: MDEQ STAFF Phone Work: (406) 444-6444 EMail: Not reported 05/31/2015 Retrieve Date Site Summary:

Site Summary: July 23, 2001Upon review of the Groundwater Remediation Program (GWRP)

file for the Yellowstone Pipeline Pump Station (CPSB), a release event or a site location other than sites that are already being addressed

by the GWRP could not be identified. T

Detail As Of March 2013:

Start Date: 05/19/1997
End Date: Not reported
Report Date: Not reported

Description: Notice Letter - None - Entire Site

Purpose: None.

Program:

Program: WQA
Program Date: 05/19/1997
Listed Date: 05/19/1997
DeListed Date: 07/23/2001
State Rank: No further action
Referred: Not reported

O62 EDR US Hist Cleaners 1015054965 WNW 401 N 24TH ST N/A

WNW 401 N 24TH ST 1/8-1/4 BILLINGS, MT 59101

0.220 mi.

1162 ft. Site 1 of 3 in cluster O

Relative: EDR Historical Cleaners:

Higher Name: POLLYS QUALITY CLEANERS

Year: 2003

Actual: Address: 401 N 24TH ST **3124 ft.**

Name: POLLYS QUALITY CLEANERS

Year: 2004

Address: 401 N 24TH ST

Direction Distance

Elevation Site Database(s) EPA ID Number

63 USBR BILLINGS WAREHOUSE RCRA-CESQG 1000989313
ESE 1922 MINNESOTA AVE MTR000000406

1/8-1/4 0.221 mi. 1169 ft.

Relative: RCRA-CESQG:

Lower Date form received by agency: 04/17/1995

BILLINGS, MT 59101

Facility name: USBR BILLINGS WAREHOUSE Facility address: 1922 MINNESOTA AVE

Actual: Facility address: 1922 MINNESOTA AV 3114 ft. 1922 MINNESOTA AV BILLINGS, MT 59101

EPA ID: MTR000000406 Mailing address: PO BOX 36900

BILLINGS, MT 591076900

Contact: ROXANNE PETERSON

Contact address: PO BOX 36900

BILLINGS, MT 591076900

Contact country: US

Contact telephone: (406) 247-7748 Contact email: Not reported

EPA Region: 08

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: RICHARD POPELKA-C&D WAREHOUSE

Owner/operator address: 1818 MINESOTA AVE BILLINGS, MT 59101

Owner/operator country: Not reported
Owner/operator telephone: (406) 252-3639

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No **EDR ID Number**

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

USBR BILLINGS WAREHOUSE (Continued)

1000989313

Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: U151 **MERCURY** Waste name:

Violation Status: No violations found

64 **EMPIRE MOTORS INC** LUST U001881077 wsw 201 N 25TH ST UST N/A

1/8-1/4 0.223 mi. 1177 ft.

LUST: Relative:

BILLINGS, MT

5608351 Higher Facility ID: Federally Regulated: Yes

Actual: Release ID: 4582 3125 ft. Date of Release: 06/06/2007 Fund Eligible: Not reported **Active Site:** Yes

> Transfer Agency Lead: Not reported **Transfer Date:** Not reported EPA Lead: Not reported Date Resolved: Not reported 45.772952 Latitude:

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Longitude:

2.0 - Medium Priority Characterization Priority:

-108.579094

DEQ Project Manager: Shearer, Jay (22136)

UST:

5608351 Facility ID: Active Tanks: Not reported

Inactive Tanks: Open/Closed?: CLOSE

P65 **GOLDEN NUGGET BODY & PAINT 4TH AVE RCRA-CESQG** 1004744172 NNE 1916 4TH AVE N MTR000006536

BILLINGS, MT 59101 1/8-1/4

0.227 mi.

Site 1 of 2 in cluster P 1201 ft.

RCRA-CESQG: Relative:

Date form received by agency: 12/10/1998 Lower

Facility name: **GOLDEN NUGGET BODY & PAINT 4TH AVE**

Actual: Facility address: 1916 4TH AVE N 3115 ft.

BILLINGS, MT 59101 EPA ID: MTR000006536

Mailing address: 4TH AVE N

BILLINGS, MT 59101

Direction Distance

Elevation Site Database(s) EPA ID Number

GOLDEN NUGGET BODY & PAINT 4TH AVE (Continued)

1004744172

EDR ID Number

Contact: JACQUELYN AYERS

Contact address: 4TH AVE N

BILLINGS, MT 59101

Contact country: US

Contact telephone: (406) 256-8085 Contact email: Not reported

EPA Region: 08

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: BRAUN-AYERS INDUSTRIES INC

Owner/operator address: 1916 4TH AVE N

BILLINGS, MT 59101

Owner/operator country: Not reported Owner/operator telephone: (406) 256-8085

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: Nο Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: Nο Used oil transporter: No

Waste code: D001

Waste name: IGNITABLE WASTE

. Waste code: D006 . Waste name: CADMIUM

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

GOLDEN NUGGET BODY & PAINT 4TH AVE (Continued)

1004744172

Waste code: D008 Waste name: **LEAD** F003 Waste code:

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE. METHYL ETHYL Waste name:

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

LUST

UST

U001881274

N/A

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

NNE 1919 4TH AVE N 1/8-1/4 **BILLINGS, MT**

0.228 mi.

P66

1202 ft. Site 2 of 2 in cluster P

LUST: Relative:

Facility ID: 5604981 Lower Federally Regulated: Yes

YELLOWSTONE ELECTRIC CO

Actual: Release ID: 788 3115 ft. Date of Release: 06/20/1991 Fund Eligible: Not reported

> **Active Site:** No **Transfer Agency Lead:** Not reported

> Transfer Date: Not reported EPA Lead: Not reported Date Resolved: 11/07/1991 Latitude: 45.790053 -108.497391 Longitude:

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: Not reported

DEQ Project Manager: Lincoln, Roxann (19027)

UST:

Facility ID: 5604981 Active Tanks: Not reported

Inactive Tanks: Open/Closed?: CLOSE

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

Q67 STALEYS TIRE & AUTO UST U001881236 SW

2503 1ST AVE N N/A

1/8-1/4 **BILLINGS, MT**

0.229 mi.

1211 ft. Site 1 of 4 in cluster Q

UST: Relative:

Facility ID: 5605860 Higher Active Tanks: Not reported

Actual: Inactive Tanks: 3 3125 ft. Open/Closed?: CLOSE

Q68 EDR US Hist Auto Stat 1015363654

SW 2503 1ST AVE N N/A

1/8-1/4 BILLINGS, MT 59101

0.229 mi.

1211 ft. Site 2 of 4 in cluster Q

EDR Historical Auto Stations: Relative:

Name: ACDELCO STALEYS TIRE & AUTOMOTIVE Higher

Year: 2007

Actual: Address: 2503 1ST AVE N

3125 ft.

Name: STALEYS TIRE & AUTOMOTIVE INC

Year: 2008

2503 1ST AVE N Address:

STALEYS TIRE & AUTOMOTIVE Name:

Year: 2009

Address: 2503 1ST AVE N

STALEYS TIRE & AUTOMOTIVE INC Name:

Year: 2010

Address: 2503 1ST AVE N

STALEYS TIRE & AUTOMOTIVE INC Name:

Year: 2011

2503 1ST AVE N Address:

69 **FAMILY SERVICE INC. US BROWNFIELDS** 1014781926

ENE 1824 1ST AVENUE NORTH

1/8-1/4 0.229 mi. 1211 ft.

US BROWNFIELDS: Relative:

BILLINGS, MT 59101

Recipient name: Big Sky Economic Development Authority Lower

> Grant type: Assessment

Actual: Property name: FAMILY SERVICE INC. 3114 ft. Property #: 03-0002011167-001

Parcel size:

Property Description: Property is used for community outreach, and to provide clothign,

> household items and groceries for clients. Attic space is used for storage of retail items. In the early 1910s it housed the Billings Broom Factory. In the late 1940s to mid 1970s, it housed the Yellowstone County Implement Company. In the 1970s it housed the

Parker Livestock Supply.

45.787297 Latitude:

TC4387262.2s Page 101

N/A

Direction Distance Elevation

evation Site Database(s) EPA ID Number

FAMILY SERVICE INC. (Continued)

1014781926

EDR ID Number

Longitude: -108.4938899999996

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 117663
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 5696

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:

Not reported
Not reported
Not reported
EPA

Cleanup funding entity: Not reported

Grant type: H

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 97858101
Ownership entity: Private

Current owner: Family Service, Inc.

Did owner change:

Cleanup required: Unknown
Video available: No
Photo available: Yes
Institutional controls required: U
IC Category proprietary controls: Not reported

IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported Not reported IC in place date: Not reported IC in place: State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Not reported Asbestos found: Asbestos cleaned: Not reported Not reported Controled substance found: Not reported Controled substance cleaned: Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Not reported Lead contaminant found: Lead cleaned up: Not reported No media affected: Not reported

Unknown media affected:

Other cleaned up:
Other metals found:
Other metals cleaned:
Other metals cleaned:
Other contaminants found:
Not reported
Not reported
Not reported

Map ID MAP FINDINGS
Direction

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

FAMILY SERVICE INC. (Continued)

1014781926

Other contams found description: Not reported Not reported PAHs found: PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Not reported Sediments found: Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Not reported Surface water cleaned: VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: .48 Past use industrial acreage: Not reported Not reported Future use greenspace acreage: Future use residential acreage: Not reported Future use commercial acreage: Not reported Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Not reported Iron cleaned up: mercury cleaned up: Not reported Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Not reported Nickel contaminant found: No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported

Past Use: Multistory

Not reported

Direction Distance

Elevation Site **EPA ID Number** Database(s)

070 NORTHWEST SCIENTIFIC INC RCRA-CESQG 1010323031 MTR000203521

WNW 421 N 24TH ST 1/8-1/4 BILLINGS, MT 59101

0.230 mi.

1215 ft. Site 2 of 3 in cluster O

RCRA-CESQG: Relative:

Higher Date form received by agency: 02/24/2012

Facility name: NORTHWEST SCIENTIFIC INC

Actual: Facility address: 421 N 24TH ST 3124 ft.

BILLINGS, MT 591011313

EPA ID: MTR000203521 Mailing address: N 24TH ST

BILLINGS, MT 591011313

Contact: RICHARD C IMLAY Contact address:

N 24TH ST

BILLINGS, MT 591011313

Contact country: US

Contact telephone: (406) 252-3269 RCI@NWSCI.COM Contact email:

EPA Region: 80 Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

> month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: NORTHWEST SCIENTIFIC INC

Owner/operator address: PO BOX 8779

MISSOULA, MT 59807

Owner/operator country: US

Owner/operator telephone: (406) 252-3269 Legal status: Private

Owner/Operator Type: Owner Owner/Op start date: 12/01/1990 Owner/Op end date: Not reported

NORTHWEST SCIENTIFIC INC Owner/operator name:

Owner/operator address: N 24TH ST

BILLINGS, MT 59101

Owner/operator country: US

Owner/operator telephone: (406) 252-3269

Legal status: Private

Owner/Operator Type: Operator Owner/Op start date: 07/21/1987 Owner/Op end date: Not reported **EDR ID Number**

Direction Distance Elevation

vation Site Database(s) EPA ID Number

NORTHWEST SCIENTIFIC INC (Continued)

1010323031

EDR ID Number

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: Nο Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

. Waste code: D002

. Waste name: CORROSIVE WASTE

Historical Generators:

Date form received by agency: 03/18/2010

Site name: NORTHWEST SCIENTIFIC INC Classification: Small Quantity Generator

. Waste code: D002

. Waste name: CORROSIVE WASTE

Date form received by agency: 01/18/2007

Site name: NORTHWEST SCIENTIFIC INC Classification: Small Quantity Generator

Waste code: D002

Waste name: CORROSIVE WASTE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/24/2012

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/08/2011

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/18/2010

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

NORTHWEST SCIENTIFIC INC (Continued)

1010323031

Evaluation date: 01/13/2009

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/14/2008

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 01/18/2007

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

O71 O E LEE & CO UST U003364201 WNW 421 N 24TH ST N/A

WNW 421 N 24TH ST 1/8-1/4 BILLINGS, MT

0.230 mi.

1215 ft. Site 3 of 3 in cluster O

Relative: UST:

Higher Facility ID: 5609475

Active Tanks: Not reported

Actual: Inactive Tanks: 2
3124 ft. Open/Closed?: CLOSE

72 BILLINGS GAZETTE WAREHOUSE RCRA NonGen / NLR 1000831012

NW 501 N 22ND ST 1/8-1/4 BILLINGS, MT 59101

0.234 mi. 1235 ft.

Relative: RCRA NonGen / NLR:

Higher Date form received by agency: 11/21/2005

Facility name: BILLINGS GAZETTE WAREHOUSE

Actual: Facility address: 501 N 22ND ST

3123 ft.

Contact:

BILLINGS, MT 591011308

EPA ID: MTD986072668
Mailing address: PO BOX 36300

BILLINGS, MT 591076300 RAEANN CAMPBELL

Contact address: PO BOX 36300

BILLINGS, MT 591076300

Contact country: US

Contact telephone: (406) 657-1200
Contact email: Not reported
EPA Region: 08

Land type: Private
Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: LEE ENTERPRISES

MTD986072668

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

BILLINGS GAZETTE WAREHOUSE (Continued)

1000831012

Owner/operator address: PO BOX 36300

BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 657-1200

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/18/1992
Owner/Op end date: Not reported

Owner/operator name: LEE ENTERPRISES
Owner/operator address: PO BOX 36300

BILLINGS, MT 59107

Owner/operator country: Not reported
Owner/operator telephone: (406) 657-1200

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: REEANN CAMPBELL
Owner/operator address: PO BOX 36300
BILLINGS MT 59107

BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 657-1200

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/18/1992
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D006 . Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Historical Generators:

Distance

Elevation Site Database(s) EPA ID Number

BILLINGS GAZETTE WAREHOUSE (Continued)

Date form received by agency: 11/18/1992

Site name: BILLINGS GAZETTE WAREHOUSE

Classification: Not a generator, verified

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D006 . Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Facility Has Received Notices of Violations:

Date violation determined:

Regulation violated: SR - ARM 16.44.402(1)
Area of violation: Generators - General

10/06/1992

Date achieved compliance: 02/05/1993 Violation lead agency: State Enforcement action: Not reported Not reported Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Not reported Enforcement lead agency: Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 16.44.402(1)
Area of violation: Generators - General

Date violation determined: 10/06/1992
Date achieved compliance: 02/05/1993
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 11/09/1992
Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State
Proposed penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 16.44.402(1)
Area of violation: Generators - General

Date violation determined: 10/06/1992
Date achieved compliance: 02/05/1993
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 02/05/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

EDR ID Number

1000831012

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

BILLINGS GAZETTE WAREHOUSE (Continued)

1000831012

Evaluation Action Summary:

Evaluation date: 11/18/2005

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

10/06/1992 Evaluation date:

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

02/05/1993 Date achieved compliance: Evaluation lead agency: State

U000306544 Q73 **DOROTHY CLINE ESTATE** UST SW 2511 1ST AVE N

N/A

U003580088

N/A

LUST

UST

1/8-1/4 **BILLINGS, MT**

0.235 mi.

1240 ft. Site 3 of 4 in cluster Q

UST: Relative:

Higher Facility ID: 5612407 Active Tanks: Not reported

Actual: Inactive Tanks:

3125 ft. CLOSE Open/Closed?:

74 PREVIOUSLY HOVCO NOW BANKRUPT

5607754

NNW 511 N 21ST ST

1/8-1/4 **BILLINGS, MT** 0.245 mi.

1291 ft.

LUST: Relative: Facility ID: Lower

Federally Regulated: Yes Actual: Release ID: 388 3120 ft. 09/07/1990 Date of Release:

Fund Eligible: Not reported **Active Site:** No

Transfer Agency Lead: Not reported **Transfer Date:** Not reported EPA Lead: Not reported Date Resolved: 12/06/1990 Latitude: 45.78986318 Longitude: -108.50077081

Lat/Long Method: Address Match, Exact ESRI ARC

Detail as of 06/16/2014:

Priority: Not reported

DEQ Project Manager: Lincoln, Roxann (19027)

UST:

Facility ID: 5607754 Active Tanks: Not reported

Inactive Tanks: Open/Closed?: CLOSE

Direction Distance

Distance EDR ID Number
Elevation Site EPA ID Number

R75 EDR US Hist Auto Stat 1015319563 SE 2100 1ST AVE S N/A

SE 2100 1ST AVE S 1/8-1/4 BILLINGS, MT 59101

0.247 mi.

1306 ft. Site 1 of 3 in cluster R

Relative: EDR Historical Auto Stations:

Lower Name: CONOCO BULK PLANT G M PTRLM

Year: 2003

Actual: Address: 2100 1ST AVE S **3115 ft.**

Name: CONOCO Year: 2008

Address: 2100 1ST AVE S

Name: CONOCO Year: 2011

Address: 2100 1ST AVE S

Name: CONOCO Year: 2012

Address: 2100 1ST AVE S

SE 2100 1ST AVE S 1/8-1/4 BILLINGS, MT 59101

0.247 mi.

1306 ft. Site 2 of 3 in cluster R

Relative: RCRA-CESQG:

Lower Date form received by agency: 05/15/1997
Facility name: GM PETROLEUM

Facility name: GM PETROLEUM
Actual: Facility address: 2100 1ST AVE S
3115 ft. BILLINGS, MT 59101

EPA ID: MTR000003962
Mailing address: 1ST AVE S

BILLINGS, MT 59101
Contact: Not reported
Contact address: Not reported

Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 08

EPA Region: 08
Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

GM PETROLEUM (Continued)

1012183012

Owner/Operator Summary:

GM PETROLEUM Owner/operator name: Owner/operator address: 2100 1ST AVE S BILLINGS, MT 59101

Owner/operator country: Not reported Owner/operator telephone: (406) 252-4661

Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/15/1997

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

R77 GM PETROLEUM DISTRIBUTORS SE 2100 1ST AVE S

UST U003364133 N/A

1/8-1/4

BILLINGS, MT

0.247 mi.

Site 3 of 3 in cluster R 1306 ft.

UST: Relative:

Facility ID: 5606962 Lower Active Tanks:

Actual: Not reported Inactive Tanks: 3115 ft. Open/Closed?: **OPEN**

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

 S78
 PELICAN OIL INC BILLINGS
 RCRA-CESQG
 1012182949

 East
 1819 MONTANA AVE
 MTD980634943

1/8-1/4 BILLINGS, MT 59101

0.248 mi.

1310 ft. Site 1 of 3 in cluster S

Relative: RCRA-CESQG:

Lower Date form received by agency: 05/15/1997

Facility name: PELICAN OIL INC BILLINGS

Actual: Facility address: 1819 MONTANA AVE 3114 ft. BILLINGS, MT 59101

EPA ID: MTD980634943

Mailing address: MONTANA AVE BILLINGS, MT 59101

Contact: CONNIE PELICAN
Contact address: 1819 MONTANA AVE

BILLINGS, MT 59101

Contact country: US

Contact telephone: (406) 245-4531 Contact email: Not reported

EPA Region: 08 Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator address: CONNIE PELICAN

1819 MONTANA AVE

BILLINGS, MT 59101

Owner/operator country: Not reported Owner/operator telephone: (406) 245-4531

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No

Distance Elevation

Site EDR ID Number

Database(s) EPA ID Number

PELICAN OIL INC BILLINGS (Continued)

1012182949

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D002

Waste name: CORROSIVE WASTE

Waste code: P020

Waste name: DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO-

Waste code: P039

Waste name: DISULFOTON (OR) PHOSPHORODITHIOIC ACID, 0,0-DIETHYL

S-[2-(ETHYLTHIO)ETHYL] ESTER

Waste code: P040

. Waste name: O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID,

O,O-DIETHYL O-PYRAZINYL ESTER

. Waste code: P050

. Waste name: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,

,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

. Waste code: P05

. Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,

 $3,\!4,\!5,\!6,\!9,\!9\text{-HEXACHLORO-1A},\!2,\!2A,\!3,\!6,\!6A,\!7,\!7A\text{-OCTAHYDRO-},\,(1AALPHA,$

2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES

(OR) ENDRIN (OR) ENDRIN, & METABOLITES

. Waste code: P066

Waste name: ETHANIMIDOTHIOIC ACID, N-[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER

(OR) METHOMYL

Waste code: P070

. Waste name: ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-,

O-[(METHYLAMINO)CARBONYL]OXIME

Waste code: P071

Waste name: METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL

O-(4-NITROPHENYL) ESTER

Waste code: P088

. Waste name: 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL

. Waste code: P089

. Waste name: PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL)

ESTER

Direction Distance Elevation

Site Database(s) EPA ID Number

PELICAN OIL INC BILLINGS (Continued)

Waste code:

. Waste name: PHORATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[(ETHYLTHIO)METHYL]

ESTER

Waste code: P108

Waste name: STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS

Waste code: P122

. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10%

(R,T)

P094

. Waste code: P123

. Waste name: TOXAPHENE

Waste code: U011

. Waste name: 1H-1,2,4-TRIAZOL-3-AMINE (OR) AMITROLE

Waste code: U036

Waste name: 4,7-METHANO-1H-INDENE,

1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE,

ALPHA & GAMMA ISOMERS

Waste code: U062

. Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL)

ESTER (OR) DIALLATE

. Waste code: U122

. Waste name: FORMALDEHYDE

. Waste code: U127

. Waste name: BENZENE, HEXACHLORO- (OR) HEXACHLOROBENZENE

Waste code: U129

. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA,

5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U148

Waste name: 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO- (OR) MALEIC HYDRAZIDE

Waste code: U185

Waste name: BENZENE, PENTACHLORONITRO- (OR) PENTACHLORONITROBENZENE (PCNB)

Waste code: U192

Waste name: BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)- (OR) PRONAMIDE

Waste code: U211

. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U239

. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

. Waste code: U240

. Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS

& ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

. Waste code: U242 . Waste name: U242 **EDR ID Number**

1012182949

Direction Distance

Elevation Site Database(s) EPA ID Number

PELICAN OIL INC BILLINGS (Continued)

1012182949

EDR ID Number

Evaluation Action Summary:

Violation Status:

Evaluation date: 05/15/1997

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

No violations found

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/04/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 08/19/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 07/15/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 10/16/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 09/23/1982

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

S79 GM PETROLEUM DISTRIBUTORS

East 1819 MONTANA AVE

1/8-1/4 BILLINGS, MT

0.248 mi.

1310 ft. Site 2 of 3 in cluster S

Relative: LUST:

Lower Facility ID: 5605861 Federally Regulated: Yes

 Actual:
 Release ID:
 1270

 3114 ft.
 Date of Release:
 07/21/1992

 Fund Eligible:
 Not reported

Active Site: Yes

LUST

UST

AST

U001118580

N/A

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

GM PETROLEUM DISTRIBUTORS (Continued)

U001118580

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Facility ID:

Priority: 1.1 - High Priority/Emergency response

5605861

DEQ Project Manager: Raty, John (18983)

Federally Regulated: Yes Release ID: 3799 Date of Release: 01/19/1999 Fund Eligible: Not reported **Active Site:** Yes **Transfer Agency Lead:** Not reported Transfer Date: Not reported EPA Lead: Not reported Date Resolved: Not reported 45.787253 Latitude: Longitude: -108.492591

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: 1.1 - High Priority/Emergency response

DEQ Project Manager: Raty, John (18983)

UST:

Facility ID: 5605861 Active Tanks: Not reported

Inactive Tanks: Open/Closed?: CLOSE

AST:

Facility Id: 5605861 Facility Tank Type: Not reported Release Tank Type: AST Tank Category: Large Tank

1-11,000 g diesel, 1-17,000 g gas, 1-10,000 g avgas, 2-10,000 g Tank Info:

diesel, 1-10,000 g kerosene, 1-10,000 g gas, 1-10,000 g solvent,

2-3,500 g diesel

45.787253 Latitude: Longitude: -108.492591

T80 US BROWNFIELDS 1014782327

NEAL PROPERTY - 502 NORTH 20TH 502 NORTH 20TH STREET North 1/4-1/2

BILLINGS, MT 59101

0.257 mi.

Lower

1356 ft. Site 1 of 2 in cluster T

US BROWNFIELDS: Relative:

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

Actual: NEAL PROPERTY - 502 NORTH 20TH Property name: 3118 ft.

03103333338010000 Property #:

Parcel size: .2

Property Description: Not reported Latitude: 45.790247 -108.499844 Longitude: HCM label: Not reported Map scale: Not reported N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

NEAL PROPERTY - 502 NORTH 20TH (Continued)

1014782327

EDR ID Number

Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 122486
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 2223

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:

Not reported
Not reported
EPA
Not reported

Grant type: H

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 97858101 Ownership entity: Private

Current owner: Claren Neal and Donna Braun

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

N

N

N

N

N

N

N

IC Category proprietary controls: Not reported IC cat. info. devices: Not reported Not reported IC cat. gov. controls: IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Not reported State/tribal program date: Not reported Not reported State/tribal program ID: State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Not reported Controled substance cleaned: Drinking water affected: Not reported Not reported Drinking water cleaned: Not reported Groundwater affected: Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported

No media affected: Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Not reported Other metals cleaned: Other contaminants found: Not reported Not reported Other contams found description: PAHs found: Not reported PAHs cleaned up: Not reported

Distance
Elevation Site

Database(s)

EDR ID Number EPA ID Number

NEAL PROPERTY - 502 NORTH 20TH (Continued)

1014782327

PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Not reported Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Not reported Past use industrial acreage: Future use greenspace acreage: Not reported Future use residential acreage: Not reported Future use commercial acreage: Not reported Not reported Future use industrial acreage: Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Ν Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported Not reported nickel cleaned up: Not reported No clean up: Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Not reported Nickel contaminant found: No contaminant found: Not reported Not reported Pesticides contaminant found: Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Not reported Media affected indoor air: Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported

Unknown media cleaned up:

Past Use: Multistory

Not reported Not reported

Direction Distance

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

81 FLIPPINS QUALITY IMPORT REPAIR #3930 LUST \$104773940

N/A

SSE 2222 1ST AVE S 1/4-1/2 BILLINGS, MT

0.257 mi. 1356 ft.

Relative: LUST:

Lower Facility ID: 5610250

Actual: Release ID: 3930
3118 ft. Date of Release: 04/07/2000
Fund Eligible: Not reported

Active Site: Yes
Transfer Agency Lead: Not reported

Lat/Long Method: Address Match, Exact ESRI ARC

Detail as of 06/16/2014:

Priority: 5.0 - Pending Closure DEQ Project Manager: Shearer, Jay (22136)

T82 NEAL PROPERTY - 504 NORTH 20TH US BROWNFIELDS 1014782328
North 504 NORTH 20TH STREET N/A

North 504 NORTH 20TH STREET 1/4-1/2 BILLINGS, MT 59101

0.258 mi.

1363 ft. Site 2 of 2 in cluster T

Relative: US BROWNFIELDS: Recipient name:

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

Actual: Property name: NEAL PROPERTY - 504 NORTH 20TH 3118 ft. Property #: 03103333338010000

Property #: 03103333338010000
Parcel size: .4

Property Description: Parcel 0310333338010000 2010 use - Big Brothers Big Sisters, Grafix,

and Kennedys Stained Glass. In 2005 and 2001 - Grafix. 1989 - 2001 -

Wrights Custom Repair.

Latitude: 45.790398
Longitude: -108.499999
HCM label: Not reported
Map scale: Not reported

Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 122487
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 2223

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:

Not reported
Not reported
EPA

Cleanup funding entity: Not reported

Distance Elevation Site

Site Database(s) EPA ID Number

NEAL PROPERTY - 504 NORTH 20TH (Continued)

1014782328

EDR ID Number

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 97858101 Ownership entity: Private

Current owner: Claren Neal and Donna Braun

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

N

N

N

N

N

N

N

Not reported IC Category proprietary controls: IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported Not reported IC in place: State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Not reported Controled substance cleaned: Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Not reported Groundwater cleaned: Lead contaminant found: Not reported Lead cleaned up: Not reported

No media affected: Y

Unknown media affected: Not reported Not reported Other cleaned up: Not reported Other metals found: Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Not reported Petro products found: Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Not reported Surface water cleaned: VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

NEAL PROPERTY - 504 NORTH 20TH (Continued)

1014782328

Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Not reported Future use residential acreage: Not reported Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag:

Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported Not reported SVOCs contaminant found: Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

83 **PINTSCH GAS CO EDR MGP** 1008408989 North 4TH AVE N N/A

1/4-1/2 0.261 mi.

1379 ft.

Manufactured Gas Plants: Relative:

BILLINGS, MT 59101

No additional information available Lower

Actual: 3116 ft.

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

S84 COMET OIL CO. **CERC-NFRAP** 1003877459 MTD980403554

ENE 1-90

1/4-1/2 BILLINGS, MT 59101

0.266 mi.

1404 ft. Site 3 of 3 in cluster S

CERC-NFRAP: Relative:

0800409 Lower Site ID:

Federal Facility: Not a Federal Facility Actual: NPL Status: Removed from Proposed NPL

3114 ft. Non NPL Status: Not reported

CERCLIS-NFRAP Site Alias Name(s):

MOUNTAIN STATES PETROLEUM CO Alias Name:

Alias Address: Not reported

MT

COMET OIL CO. Alias Name:

Alias Address: 1-90

BILLINGS, MT 59103

COMET OIL CO. Alias Name:

Alias Address: 1-90

BILLINGS, MT 59101

CERCLIS-NFRAP Assessment History:

DISCOVERY Action:

Date Started: Date Completed:

04/01/79 Priority Level: Not reported

PRELIMINARY ASSESSMENT Action:

Date Started:

Date Completed: 06/01/84

Priority Level: Low priority for further assessment

PRELIMINARY ASSESSMENT Action:

Date Started: Date Completed: 09/01/79

Priority Level: Low priority for further assessment

ARCHIVE SITE Action:

Date Started: Date Completed: 12/09/05 Priority Level: Not reported

SITE INSPECTION Action:

Date Started: //

05/10/85 Date Completed:

Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

REMOVED FROM THE PROPOSED NATIONAL PRIORITIES LIST Action:

Date Started: 02/11/91 Date Completed: Priority Level: Not reported

Action: PROPOSAL TO NATIONAL PRIORITIES LIST

Date Started:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

COMET OIL CO. (Continued)

1003877459

Date Completed: 06/24/88 Priority Level: Not reported

NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH Action:

Date Started: 08/25/87 Date Completed: 08/26/87 Priority Level: Not reported

REMOVAL ASSESSMENT Action:

Date Started: 08/30/90 Date Completed: 08/30/90 Priority Level: Not reported

85 HOTSYS WY-MT PRESSURE WASHERS **US BROWNFIELDS** 1010363775

N/A

SSE 2304 1ST AVE SOUTH BILLINGS, MT 59101 1/4-1/2

0.270 mi. 1423 ft.

US BROWNFIELDS: Relative: Lower

Recipient name: Beartooth Resource Conservation and Development Area, Inc.

Grant type: Assessment

Actual: HOTSYS WY-MT PRESSURE WASHERS Property name: 3120 ft.

Block 144, Lots 6-12 Property #:

Parcel size:

Property Description: warehouse storage Latitude: 45.782092 Longitude: -108.497133

Address Matching-House Number HCM label:

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station

Datum: Not reported ACRES property ID: 15809 Not reported Start date: Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 2170

US EPA - Brownfields Assessment Cooperative Agreement Assessment funding source:

Redevelopment funding: Not reported Redev. funding source: Not reported Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: Not reported Cleanup funding entity: Not reported

Grant type: Н

Accomplishment type: Phase I Environmental Assessment

Accomplishment count:

Cooperative agreement #: 98885001 Ownership entity: Not reported

Darrell E. & Bonita E. Chenoweth Current owner:

Did owner change: Not reported Cleanup required: Not reported Video available: Not reported Photo available: Not reported Institutional controls required: Not reported IC Category proprietary controls: Not reported Map ID MAP FINDINGS
Direction

Distance
Elevation Site Database(s)

HOTSYS WY-MT PRESSURE WASHERS (Continued)

1010363775

EDR ID Number

EPA ID Number

IC cat. info. devices: Not reported IC cat. gov. controls: Not reported Not reported IC cat. enforcement permit tools: Not reported IC in place date: IC in place: Unknown State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Not reported Groundwater affected: Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Υ Other contaminants found: Other contams found description: jack oil PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: UST Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Not reported Past use residential acreage: Not reported Past use commercial acreage: Past use industrial acreage: Not reported Not reported Future use greenspace acreage: Future use residential acreage: Not reported Future use commercial acreage: Not reported Not reported Future use industrial acreage: Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported

Not reported

Iron cleaned up:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HOTSYS WY-MT PRESSURE WASHERS (Continued)

1010363775

mercury cleaned up: Not reported Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Chromium contaminant found: Not reported Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Not reported Unknown media cleaned up: Past Use: Multistory Not reported

Q86 GREYHOUND LINES INC LUST U003363997 SW 2502 1ST AVE N UST N/A

1/4-1/2 0.271 mi.

1432 ft. Site 4 of 4 in cluster Q

BILLINGS, MT

Relative:

LUST:

5603095 Facility ID: Higher Federally Regulated: Yes Actual: Release ID: 3273 3125 ft.

Date of Release: 10/21/1997 Fund Eligible: Not reported Active Site: Yes

Transfer Agency Lead: Not reported **Transfer Date:** Not reported EPA Lead: Not reported Date Resolved: Not reported 45.783853 Latitude: Longitude: -108.502091

Address Match, Exact Z4 USPS Lat/Long Method:

Detail as of 06/16/2014:

Priority: 1.2 - High priority Remediation - FP

DEQ Project Manager: Stremcha, Marla (17451)

UST:

Facility ID: 5603095 Active Tanks: Not reported

Inactive Tanks: Open/Closed?: CLOSE

Direction Distance

Elevation Site Database(s) EPA ID Number

 U87
 BILLINGS DIVISION
 LUST
 U003364198

 NNE
 408 N 18TH ST
 UST
 N/A

1/4-1/2 BILLINGS, MT

0.292 mi.

1541 ft. Site 1 of 2 in cluster U

Relative: LUST:

Lower Facility ID: 5609401 Federally Regulated: Yes

Actual: Release ID: 4970
3114 ft. Date of Release: 10/01/2013
Fund Eligible: Not reported
Active Site: Yes

Transfer Agency Lead:
Not reported
Not reported
PA Lead:
Not reported

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: Not reported
DEQ Project Manager: Raty, John (18983)

UST:

Facility ID: 5609401
Active Tanks: Not reported

Inactive Tanks: 2
Open/Closed?: CLOSE

88 DARYL APARTMENT #4475 LUST U004022494 SW 114 N 26TH ST N/A

SW 114 N 26TH ST 1/4-1/2 BILLINGS, MT

0.299 mi. 1577 ft.

Relative: LUST: Higher Facility ID:

 Higher
 Facility ID:
 6015028

 Federally Regulated:
 No

 Actual:
 Release ID:
 4475

 3126 ft.
 Date of Release:
 02/02/2006

 Fund Eligible:
 Not reported

Transfer Agency Lead: Not reported
Transfer Date: Not reported

Transfer Date: Not reported
EPA Lead: Not reported
Date Resolved: 09/19/2006
Latitude: 45.783385
Longitude: -108.50359

Lat/Long Method: Address Match, Exact ESRI ARC

Detail as of 06/16/2014:

Priority: Not reported

DEQ Project Manager: Unassigned, DEQ Officer (20213)

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

V89 PACIFIC HIDE & FUR BILLINGS MINNESOTA AVE SHWS S106561003 SSW

2517 MINNESOTA AVE. **DEL SHWS** N/A

1/4-1/2 **BILLINGS, MT REM RPROGRAM**

0.300 mi.

Site 1 of 2 in cluster V 1583 ft.

SHWS: Relative:

PHMA Higher Site: Program: **CECRA** Actual: Alias Names: Not reported

3124 ft. Latitude: 45.782780000000002

> Longitude: -108.49861

DELETED HWS:

PHMA Site: Program: **CERCLA** Ranking Code: None Delisted Date: 12/30/1992 Retrived Date: 05/31/2015 Program Date: 2/11/1992 Listed: 2/11/1992 Referredj Date: 12/30/1992

REM RPROGRAM:

Site ID: **PHMA**

45.782780 / -108.49861 Lat/Long:

CECRA Program: Alias Names: Not reported

Operation: Operated from 01/01/50 to 12/31/71

Location: 2517 Minnesota Ave.

Township: 1S 26E Range: P Section:

LL Coment: Location verified 5/5/15 by S. Trahan using DEQ data mapping tool

Delisted Date: Not reported Not reported Petition Date: Not reported Agreement Date: Name: MDEQ STAFF Phone Work: (406) 444-6444 Not reported EMail: 05/31/2015 Retrieve Date Site Summary:

Site Summary: September 25, 2002Pacific Hide and Fur - Minnesota Avenue, at 2517

Minnesota Avenue in Billings, is an inactive, three-acre recycling and salvage facility, which operated from an unknown time until 1971. The

site is currently occupied by several unr

Detail As Of March 2013:

Start Date: 02/11/1992 End Date: 12/30/1992 Report Date: 12/16/1992

Description: CERCLA Preliminary Assessment - CERCLA Preliminary Assessment - Entire

Purpose: EPA CERCLIS DATA: NFRAP: No further Remedial Action planned

Contaminant:

Sphere: Groundwater Contaminant: Metals: Petroleum

Observed: No

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PACIFIC HIDE & FUR BILLINGS MINNESOTA AVE (Continued)

S106561003

Low Depth: Not reported Not reported Matieral Volume: Not reported Receptor: Distance: Not reported Area Impacted: Not reported

Remark: Possible release of metals and petroleum to groundwater.

Sphere: Soils

Contaminant: Metals; Petroleum

Observed: Yes Low Depth:

Matieral Volume: Unknown Receptor: Residence Distance: 600 Area Impacted: 3 ac

Remark: Petroleum and metal contamination found in on-site soils.

Program:

Program: **CECRA** Program Date: 12/18/1991 Listed Date: 02/11/1992 **DeListed Date:** Not reported State Rank: Medium priority Referred: Not reported

Program: **CERCLA** Program Date: 02/11/1992 Listed Date: 02/11/1992 DeListed Date: 12/30/1992 Not reported State Rank: Referred: 12/30/1992

V90 **PACIFIC HIDE & FUR CERC-NFRAP** 1003877812 2523 MINNESOTA AVE. SSW MTD986071017

1/4-1/2 BILLINGS, MT 59101

0.303 mi.

1599 ft. Site 2 of 2 in cluster V

CERC-NFRAP: Relative:

Higher Site ID: 0801213

Federal Facility: Not a Federal Facility Actual: NPL Status: Not on the NPL

3124 ft. NFRAP-Site does not qualify for the NPL based on existing information Non NPL Status:

CERCLIS-NFRAP Site Contact Details:

13162127.00000 Contact Sequence ID: Person ID: 13002699.00000

CERCLIS-NFRAP Assessment History:

DISCOVERY Action:

Date Started: Date Completed: 02/11/92 Priority Level: Not reported

Action: **ARCHIVE SITE**

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PACIFIC HIDE & FUR (Continued)

1003877812

Date Started: 12/30/92 Date Completed: Priority Level: Not reported

PRELIMINARY ASSESSMENT Action:

Date Started: Date Completed: 12/30/92

NFRAP-Site does not qualify for the NPL based on existing information Priority Level:

NORMS SERVICE FORMER 91 **ENE** 1724 1ST AVE N

LUST U003364184 **UST** N/A

1/4-1/2 **BILLINGS, MT** 0.308 mi.

Relative:

1627 ft.

LUST:

Lower

Facility ID: 5608596 Federally Regulated: Yes

Actual: Release ID: 1812 3114 ft. Date of Release: 08/31/1993 Fund Eligible: Not reported **Active Site:** Yes

> Transfer Agency Lead: Not reported Transfer Date: Not reported EPA Lead: Not reported Date Resolved: Not reported Latitude: 45.788653 Longitude: -108.492191

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: 2.0 - Medium Priority Characterization

DEQ Project Manager: Raty, John (18983)

5608596 Facility ID: Federally Regulated: Yes Release ID: 3787 10/22/1998 Date of Release: Fund Eligible: Not reported **Active Site:** Yes

Transfer Agency Lead: Not reported **Transfer Date:** Not reported EPA Lead: Not reported Date Resolved: Not reported 45.788653 Latitude: Longitude: -108.492191

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: 2.0 - Medium Priority Characterization

DEQ Project Manager: Raty, John (18983)

UST:

Facility ID: 5608596 Active Tanks: Not reported

Inactive Tanks: CLOSE Open/Closed?:

Direction Distance

Elevation Site Database(s) EPA ID Number

92 116 SOUTH 24TH ST US BROWNFIELDS 1010363972 South 116 SOUTH 24TH ST N/A

1/4-1/2 BILLINGS, MT 59101 0.309 mi.

0.309 mi. 1632 ft.

Relative: US BROWNFIELDS:

Lower Recipient name: Beartooth Resource Conservation and Development Area, Inc.

Grant type: Assessment

Actual: Property name: 116 SOUTH 24TH ST 3120 ft. Property #: Block 143 North 12 ft

Property #: Block 143, North 12 ft of Lot 4, Lots 5-7

Parcel size: .24
Property Description: small home
Latitude: 45.781146
Longitude: -108.498012

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station

Datum: Not reported
ACRES property ID: 15813
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported

Assessment funding: 2170

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:
Not reported
Not reported
Not reported
Not reported
Not reported

Grant type:

Accomplishment type: Phase I Environmental Assessment

Not reported

Not reported

Accomplishment count: 1

Did owner change:

Cooperative agreement #: 98885001
Ownership entity: Not reported

Current owner: Patrick M. and Grace L. Allen

Cleanup required: Not reported Video available: Not reported Photo available: Not reported Institutional controls required: Not reported IC Category proprietary controls: Not reported Not reported IC cat. info. devices: Not reported IC cat. gov. controls: IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Unknown State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported

Controled substance cleaned:

EDR ID Number

Map ID MAP FINDINGS
Direction

Distance Elevation Site

e Database(s) EPA ID Number

116 SOUTH 24TH ST (Continued)

1010363972

EDR ID Number

Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Not reported Unknown media affected: Other cleaned up: Not reported Other metals found: Not reported Not reported Other metals cleaned: Not reported Other contaminants found: Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported Not reported Future use commercial acreage: Not reported Future use industrial acreage: Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Not reported Chromium cleaned up: Copper cleaned up: Not reported Iron cleaned up: Not reported Not reported mercury cleaned up: Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

116 SOUTH 24TH ST (Continued)

1010363972

No contaminant found: Not reported Not reported Pesticides contaminant found: Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Not reported Media affected indoor air: Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

U93 **BILLINGS GAS CO** 1008408988 **EDR MGP** N/A

North N 19TH STREET 1/4-1/2 BILLINGS, MT 59101

0.309 mi.

Site 2 of 2 in cluster U 1633 ft.

Manufactured Gas Plants: Relative:

No additional information available Lower

Actual: 3115 ft.

U003580089 W94 WILSON DUNHAM SERVICE INC LUST UST N/A

South 2511 1ST AVE S **BILLINGS, MT** 1/4-1/2

0.345 mi.

1822 ft. Site 1 of 2 in cluster W

Relative: Higher

Actual:

3123 ft.

LUST:

Facility ID: 5607756 Federally Regulated: Yes Release ID: 565 Date of Release: 10/13/1989 Fund Eligible: Not reported Active Site: No

Transfer Agency Lead: Not reported Transfer Date: Not reported EPA Lead: Not reported Date Resolved: 08/14/2009 Latitude: 45.78139 Longitude: -108.5004

Lat/Long Method: Navigation - Quality GPS

Detail as of 06/16/2014:

5.0 - Pending Closure Priority: DEQ Project Manager: Shearer, Jay (22136)

Facility ID: 5607756 Federally Regulated: Yes Release ID: 3876 Date of Release: 09/23/1999 Fund Eligible: Not reported

Active Site: No

Transfer Agency Lead: Not reported **Transfer Date:** Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WILSON DUNHAM SERVICE INC (Continued)

U003580089

EPA Lead: Not reported 08/14/2009 Date Resolved: 45.78139 Latitude: Longitude: -108.5004

Lat/Long Method: Navigation - Quality GPS

Detail as of 06/16/2014:

Priority: 5.0 - Pending Closure DEQ Project Manager: Shearer, Jay (22136)

UST:

5607756 Facility ID: Active Tanks: 4 Inactive Tanks: 5 Open/Closed?: **OPEN**

W95 YELLOWSTONE COUNTY PROPERTY FORMER GAS STATION LUST U003832852 UST N/A

2512 1ST AVE S South 1/4-1/2 **BILLINGS, MT** 0.348 mi.

1835 ft. Site 2 of 2 in cluster W

LUST: Relative:

Facility ID: 5613850 Higher Federally Regulated: Yes

Actual: Release ID: 3389 3123 ft. Date of Release: 03/27/1998

Fund Eligible: Not reported

Active Site: No

Transfer Agency Lead: Not reported **Transfer Date:** Not reported Not reported EPA Lead: 06/08/2014 Date Resolved: Latitude: 45.78213 Longitude: -108.49986

Lat/Long Method: Map Interpolation High Quality

Detail as of 06/16/2014:

1.4 - High Priority Characterization Priority:

DEQ Project Manager: Shearer, Jay (22136)

UST:

Facility ID: 5613850 Active Tanks: Not reported

Inactive Tanks: CLOSE Open/Closed?:

Direction Distance

Elevation Site Database(s) EPA ID Number

 X96
 FORMER G D EASTLICK BUILDING
 LUST
 U003364103

 SSE
 223 S 23RD ST
 UST
 N/A

SSE 223 S 23RD ST 1/4-1/2 BILLINGS, MT

0.350 mi.

1849 ft. Site 1 of 2 in cluster X

Relative: LUST:

Lower Facility ID: 5606095 Federally Regulated: Yes

Actual: Release ID: 3596
3117 ft. Date of Release: 11/16/1998
Fund Eligible: Not reported
Active Site: Yes

Transfer Agency Lead: Not reported
Transfer Date: Not reported
EPA Lead: Not reported
Date Resolved: Not reported
Latitude: 45.781600556
Longitude: -108.49607167

Lat/Long Method: Address Match, Exact ESRI ARC

Detail as of 06/16/2014:

Priority: 4.0 - Ground Water Management

DEQ Project Manager: Shearer, Jay (22136)

UST:

Facility ID: 5606095
Active Tanks: Not reported

Inactive Tanks: 2
Open/Closed?: CLOSE

X97 G D EASTLICK TRUCKING WQA S111099144
SSE 223 SOUTH 23RD STREET REM RPROGRAM N/A

1/4-1/2 BILLINGS, MT

0.350 mi.

1849 ft. Site 2 of 2 in cluster X

Relative: MT WQA:

Lower Site: GDEB
Alternate Name: Not reported

 Actual:
 Latitude:
 45.781559999999999

 3117 ft.
 Longitude:
 -108.49603999999999

Program: WQA

REM RPROGRAM:

Site ID: GDEB

Lat/Long: 45.781559 / -108.49603

Program: WQA

Alias Names: Not reported Operation: Not reported

Location: 223 South 23rd Street

Township: 1N Range: 26E P Section: 34

LL Coment: Updated 3/6/15 by S. Trahan using DEQ Data Mapping Tool

Delisted Date: Not reported
Petition Date: Not reported
Agreement Date: Not reported
Name: MDEQ STAFF

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

G D EASTLICK TRUCKING (Continued)

S111099144

EDR ID Number

Phone Work: (406) 444-6444
EMail: Not reported
Retrieve Date Site Summary: 05/31/2015

Site Summary: February 9, 2001This site was/is a petroleum release site. A shop sump

and drainfield has impacted groundwater. Cleanup being addressed under Water Quality Act authority, but PRS is lead. On October 26, 1999 Monte

Smith of Petroleum Release Sect

Detail As Of March 2013:

Start Date: 01/01/1999
End Date: Not reported
Report Date: Not reported

Description: Notice Letter - Petroleum contamination from sump drainfield and waste

oil tank - Entire Site

Purpose: ENF ID # 3596. CVID # 1746.

Contaminant:

Sphere: Groundwater
Contaminant: Petroleum
Observed: Yes
Low Depth: 0

Matieral Volume: Not reported Receptor: Not reported Distance: Not reported Area Impacted: Not reported Remark: Not reported

Program:

Program: WQA
Program Date: Not reported
Listed Date: 07/20/1999
DeListed Date: Not reported

State Rank: Referred to another program

Referred: 08/26/1999

WELLS FARGO CENTER LUST U003711940
175 N 27TH ST UST N/A

SW 175 N 27TH ST 1/4-1/2 BILLINGS, MT

0.364 mi. 1923 ft.

98

Relative: LUST:

Higher Facility ID: 5613972
Federally Regulated: Yes

 Actual:
 Release ID:
 4426

 3127 ft.
 Date of Release:
 05/20/2005

 Fund Eligible:
 Not reported

Active Site: Yes
Transfer Agency Lead: Not reported
Transfer Date: Not reported
EPA Lead: Not reported

EPA Lead: Not reported
Date Resolved: Not reported
Latitude: 45.7838
Longitude: -108.50453

Lat/Long Method: Navigation - Quality GPS

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WELLS FARGO CENTER (Continued)

U003711940

N/A

Detail as of 06/16/2014:

2.0 - Medium Priority Characterization Priority:

DEQ Project Manager: Stremcha, Marla (17451)

UST:

5613972 Facility ID: Active Tanks: Inactive Tanks: Open/Closed?: **OPEN**

99 **MOUNTAIN PBE SPECIALISTS US BROWNFIELDS** 1010363774

South **211 SOUTH 24TH ST** 1/4-1/2 BILLINGS, MT 59101

0.370 mi.

Relative: Lower

1951 ft.

US BROWNFIELDS:

Recipient name: Beartooth Resource Conservation and Development Area, Inc.

Grant type: Assessment

Actual: Property name: MOUNTAIN PBE SPECIALISTS 3119 ft.

Property #: Block 160, Lots 13-19

Parcel size:

Property Description: owners personal storage

Latitude: 45.78081 -108.497049 Lonaitude:

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station

Not reported Datum: ACRES property ID: 15808 Start date: Not reported Completed date: Not reported Not reported Acres cleaned up: Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 2170

US EPA - Brownfields Assessment Cooperative Agreement Assessment funding source:

Redevelopment funding: Not reported Redev. funding source: Not reported Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: Not reported Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count:

Cooperative agreement #: 98885001 Ownership entity: Not reported

Current owner: Donald & Marjorie Blehm

Did owner change: Not reported Not reported Cleanup required: Video available: Not reported Photo available: Not reported Institutional controls required: Not reported IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported Map ID MAP FINDINGS
Direction

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

MOUNTAIN PBE SPECIALISTS (Continued)

1010363774

IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Unknown State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Not reported Controled substance found: Not reported Controled substance cleaned: Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Not reported Lead contaminant found: Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Not reported Petro products found: Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Not reported Past use greenspace acreage: Not reported Past use residential acreage: Past use commercial acreage: Not reported Not reported Past use industrial acreage: Not reported Future use greenspace acreage: Future use residential acreage: Not reported Not reported Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Not reported Superfund Fed. landowner flag: Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

MOUNTAIN PBE SPECIALISTS (Continued)

1010363774

U003364159

N/A

EDR ID Number

No clean up: Not reported Not reported Pesticides cleaned up: Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Not reported Nickel contaminant found: No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

100 **NAVAL & MARINE CORPS** LUST NW 717 NORTH 22ND ST UST **BILLINGS, MT**

1/4-1/2 0.387 mi. 2041 ft.

LUST: Relative:

Facility ID: 5607782 Higher Federally Regulated: Yes Actual: Release ID: 4863 3125 ft. Date of Release: 08/04/2011 Fund Eligible: Not reported

Active Site: Yes Transfer Agency Lead: Not reported Transfer Date: Not reported EPA Lead: Not reported Date Resolved: Not reported Latitude: 45.79163 Longitude: -108.50326

Lat/Long Method: Map Interpolation High Quality

Detail as of 06/16/2014:

Priority:

5.0 - Pending Closure DEQ Project Manager: Shearer, Jay (22136)

UST:

5607782 Facility ID: Active Tanks: Not reported

Inactive Tanks: Open/Closed?: **CLOSE**

Direction Distance

Distance EDR ID Number
Database(s) EPA ID Number

 101
 MODERN MACHINERY CO INC
 LUST
 U003364220

 North
 1800 6TH AVE N
 UST
 N/A

North 1800 6TH AVE N 1/4-1/2 BILLINGS, MT

0.391 mi. 2064 ft.

Relative: LUST:

Lower Facility ID: 5610373

Actual: Rederally Regulated: Yes

Actual: Release ID: 1798
3116 ft. Date of Release: 10/28/1993
Fund Eligible: Not reported
Active Site: Yes

Transfer Agency Lead:
Transfer Date:

EPA Lead:
Date Resolved:
Latitude:

Longitude:

Not reported
Not reported
Not reported
45.7915
-108.4976

Lat/Long Method: Map Interpolation High Quality

Detail as of 06/16/2014:

Priority: 1.4 - High Priority Characterization

DEQ Project Manager: Pool Billings, LUST (24472)

UST:

Facility ID: 5610373
Active Tanks: Not reported

Inactive Tanks: 3
Open/Closed?: CLOSE

Y102 121 SOUTH 26TH ST US BROWNFIELDS 1010381892 SSW 121 SOUTH 26TH STREET N/A

1/4-1/2 BILLINGS, MT 59101

0.401 mi.

2117 ft. Site 1 of 3 in cluster Y

Relative: US BROWNFIELDS: Recipient name:

Recipient name: Beartooth Resource Conservation and Development Area, Inc.

 Grant type:
 Assessment

 Actual:
 Property name:
 121 SOUTH 26TH ST

 3124 ft.
 Property #:
 Block 142, Lots 23-24

Parcel size: .16

Property Description: nothing of environmental interest

Latitude: 45.7807558 Longitude: -108.5008212

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station

Datum: Not reported ACRES property ID: 15820 Not reported Start date: Completed date: Not reported Not reported Acres cleaned up: Not reported Cleanup funding: Cleanup funding source: Not reported Assessment funding: 2170

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Redev. funding source: Not reported

Distance Elevation Site

Database(s)

121 SOUTH 26TH ST (Continued)

1010381892

EDR ID Number

EPA ID Number

Redev. funding entity name:

Redevelopment start date:

Assessment funding entity:

Not reported

Not reported

Not reported

Not reported

Not reported

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: Cooperative agreement #: 98885001 Ownership entity: Not reported Current owner: Margaret Powers Did owner change: Not reported Not reported Cleanup required: Video available: Not reported Photo available: Not reported Institutional controls required: Not reported IC Category proprietary controls: Not reported Not reported IC cat. info. devices: IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Unknown State/tribal program date: Not reported Not reported State/tribal program ID: State/tribal NFA date: Not reported Air contaminated: Not reported Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Not reported Controled substance cleaned: Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Not reported Lead contaminant found: Not reported Lead cleaned up: No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Not reported Other metals cleaned: Not reported Other contaminants found: Other contams found description: Not reported Not reported PAHs found: PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported

Cleanup other description:

Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation

Site EDR ID Number

Database(s) EPA ID Number

121 SOUTH 26TH ST (Continued)

1010381892

Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported Not reported Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported Not reported SVOCs cleaned up: Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

Z103 STOCKTON OIL CO 4TH AVE N

NNE 1607 4TH AVE N 1/4-1/2 BILLINGS, MT

0.419 mi.

2214 ft. Site 1 of 3 in cluster Z

Relative: LUST:

Lower Facility ID: 5604839 Federally Regulated: Yes

 Actual:
 Release ID:
 1154

 3114 ft.
 Date of Release:
 04/21/1992

 Fund Eligible:
 Not reported

Active Site: Yes

Transfer Agency Lead: Not reported Transfer Date: Not reported U001881239

N/A

LUST

UST

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

STOCKTON OIL CO 4TH AVE N (Continued)

U001881239

EPA Lead: Not reported Not reported Date Resolved: 45.791853 Latitude: Longitude: -108.493591

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: 2.0 - Medium Priority Characterization

Pool Billings, LUST (24472) DEQ Project Manager:

UST:

Facility ID: 5604839 Active Tanks: 7 Inactive Tanks: 4 Open/Closed?: **OPEN**

Z104 STOCKTON OIL CO BILLINGS **WQA** S111099274 **NNE REM RPROGRAM** 1607 4TH AVE. NORTH N/A

BILLINGS, MT 1/4-1/2

0.419 mi.

2214 ft. Site 2 of 3 in cluster Z

MT WQA: Relative:

SOCB Lower Site:

Alternate Name: Not reported Actual: 45.792230000000004 Latitude:

3114 ft. Longitude: -108.49446

> Program: WQA

REM RPROGRAM:

Site ID: SOCB

Lat/Long: 45.792230 / -108.49446

Program: WQA Alias Names: Not reported

Operated from 7/10/95 to Operation: Location: 1607 4th Ave. North

Township: 1N Range: 26E P Section: 34

LL Coment: Location updated 5/6/15 by S. Trahan using DEQ data mapping tool & google maps

Delisted Date: Not reported Not reported Petition Date: Not reported Agreement Date: Name: Laura Alvey Phone Work: (406) 841-5062 EMail: lalvey@mt.gov 05/31/2015 Retrieve Date Site Summary:

Stockton Oil CompanyJuly 31, 1998During the week of August 11, 1995 Site Summary:

> after a heavy rainstorm an oily substance was reported by an employee of the Department of Environmental Quality (DEQ) Billings office. The

substance was reported near a storm dra

Detail As Of March 2013:

Start Date: 07/10/1995 End Date: Not reported Report Date: Not reported

Description: Notice Letter - Spill-oil in loading area & MRL tracks - Entire Site Purpose: Letter sent 11-00-95, 08-19-97 letter sent asking site status. Cleanup

Direction Distance

Elevation Site Database(s) **EPA ID Number**

STOCKTON OIL CO BILLINGS (Continued)

S111099274

EDR ID Number

in spring of 1996.

Program:

Program: WQA Program Date: 07/10/1995 Listed Date: 07/10/1995 DeListed Date: Not reported State Rank: Medium priority Referred: Not reported

MCDONNELL PROPERTIES - 415 NORTH 16TH US BROWNFIELDS 1014781934 Z105 N/A

NNE 415 NORTH 16TH STREET 1/4-1/2 BILLINGS, MT 59101

0.430 mi.

2268 ft. Site 3 of 3 in cluster Z

US BROWNFIELDS: Relative:

Recipient name: Big Sky Economic Development Authority Lower

Grant type: Assessment

Actual: Property name: MCDONNELL PROPERTIES - 415 NORTH 16TH

3114 ft. Property #: 03103333104040000

Parcel size:

415 North 16th Street - Pole Yard in 48 and 68. The property located Property Description:

> to the southeast across North 16th Street was a filling station, oil pump house, and had oil tanks in 1968. The address is 420 North 15th

Street which is not listed in the MDEQ LUST database.

Latitude: 45.792544 Longitude: -108.493796

Address Matching-House Number HCM label:

Map scale: Not reported

Point of reference: Center of a Facility or Station World Geodetic System of 1984 Datum:

ACRES property ID: 122491 Not reported Start date: Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported

Assessment funding: 1712

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Not reported Redevelopment funding: Redev. funding source: Not reported Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: **EPA**

Cleanup funding entity: Not reported Н

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count:

97858101 Cooperative agreement #: Ownership entity: Private

Current owner: Brian and Matthew McDonnell

Did owner change: Ν Cleanup required: Unknown Video available: No Photo available: Yes

Map ID MAP FINDINGS
Direction

Distance Elevation

on Site Database(s) EPA ID Number

MCDONNELL PROPERTIES - 415 NORTH 16TH (Continued)

1014781934

EDR ID Number

Institutional controls required: U Not reported IC Category proprietary controls: IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported Not reported IC in place: Not reported State/tribal program date: State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported Not reported No media affected:

Unknown media affected:
Other cleaned up:

Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported

Other contaminants found: Y

Other contams found description: Unidentified drums Not reported PAHs found: Not reported PAHs cleaned up: PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Not reported Petro products cleaned: Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported Not reported VOCs cleaned: Cleanup other description: Not reported Not reported Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Not reported Past use residential acreage: Not reported

Past use commercial acreage: .4

Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported

Future use commercial acreage:

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag: N

Arsenic cleaned up:

Cadmium cleaned up:

Not reported

Not reported

Not reported

Not reported

Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MCDONNELL PROPERTIES - 415 NORTH 16TH (Continued)

1014781934

Copper cleaned up: Not reported Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Unknown clean up: Not reported Arsenic contaminant found: Not reported Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

AA106 SOWLES STEEL ERECTORS US BROWNFIELDS 1012115289 SSE 302 SOUTH 24TH ST N/A

1/4-1/2 BILLINGS, MT 59101 0.430 mi.

2272 ft. Site 1 of 2 in cluster AA

Relative:

US BROWNFIELDS:

Lower

Recipient name: Beartooth Resource Conservation and Development Area, Inc. Grant type: Assessment

Actual: Property name: 3118 ft.

SOWLES STEEL ERECTORS Property #: Block 172, Lots 8-12

Parcel size:

Property Description: construction firm Latitude: 45.779751 Longitude: -108.496657

HCM label: Address Matching-House Number

Map scale: Not reported

Entrance Point of a Facility or Station Point of reference:

Datum: Not reported ACRES property ID: 15805 Start date: Not reported Completed date: Not reported Not reported Acres cleaned up: Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 2170

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Redev. funding source: Not reported

Distance Elevation Site

Database(s)

SOWLES STEEL ERECTORS (Continued)

1012115289

EDR ID Number

EPA ID Number

Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:
Not reported
Not reported
Not reported

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: Cooperative agreement #: 98885001 Ownership entity: Not reported Current owner: Larry Sowles Did owner change: Not reported Not reported Cleanup required: Video available: Not reported Photo available: Not reported Institutional controls required: Not reported IC Category proprietary controls: Not reported Not reported IC cat. info. devices: IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Unknown State/tribal program date: Not reported Not reported State/tribal program ID: State/tribal NFA date: Not reported Air contaminated: Not reported Not reported Air cleaned: Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Not reported Controled substance cleaned: Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Not reported Lead contaminant found: Not reported Lead cleaned up: No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Not reported Other metals cleaned: Not reported Other contaminants found: Other contams found description: Not reported Not reported PAHs found: PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SOWLES STEEL ERECTORS (Continued)

1012115289

Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Not reported Past use commercial acreage: Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported Not reported Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Not reported Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

107 **HOLIDAY STATIONSTORE 274**

West **2620 6TH AVE N** 1/4-1/2 **BILLINGS, MT**

0.432 mi. 2282 ft.

LUST: Relative:

Facility ID: 5608062 Higher Federally Regulated: Yes

Actual: Release ID: 624 3128 ft. Date of Release: 02/11/1991 Fund Eligible: Not reported

> **Active Site:** No

Transfer Agency Lead: Not reported **Transfer Date:** Not reported U001881119

N/A

LUST

UST

Direction Distance Elevation

tion Site Database(s) EPA ID Number

HOLIDAY STATIONSTORE 274 (Continued)

U001881119

EDR ID Number

EPA Lead: Not reported
Date Resolved: 03/21/1991
Latitude: 45.78705
Longitude: -108.50805

Lat/Long Method: Navigation - Quality GPS

Detail as of 06/16/2014:

Priority: Not reported

DEQ Project Manager: Stagner, Craig (17293)

Facility ID: 5608062
Federally Regulated: Yes
Release ID: 790
Date of Release: 05/24/1991
Fund Eligible: Not reported

Active Site: Yes
Transfer Agency Lead: Not reported
Transfer Date: Not reported
EPA Lead: Not reported
Date Resolved: Not reported
Latitude: 45.78705
Longitude: -108.50805

Lat/Long Method: Navigation - Quality GPS

Detail as of 06/16/2014:

Priority: Not reported

DEQ Project Manager: Stagner, Craig (17293)

Facility ID: 5608062
Federally Regulated: Yes
Release ID: 110
Date of Release: 11/21/1989
Fund Eligible: Not reported
Active Site: Yes

Transfer Agency Lead:

Not reported

15.78705

108.50805

Lat/Long Method: Navigation - Quality GPS

Detail as of 06/16/2014:

Priority: Not reported

DEQ Project Manager: Stagner, Craig (17293)

UST:

Facility ID: 5608062
Active Tanks: 3
Inactive Tanks: 3
Open/Closed?: OPEN

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

AB108 PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT RCRA-TSDF 1000331306 SSE MTD000818096

7432 ALEXANDER RD **CERC-NFRAP** 1/4-1/2 BILLINGS, MT 59103 **CORRACTS**

RCRA NonGen / NLR 0.432 mi. 2020 COR ACTION 2282 ft. Site 1 of 3 in cluster AB **US FIN ASSUR**

Relative:

Lower

RCRA-TSDF:

Actual: Date form received by agency: 02/24/2014 3115 ft.

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT Facility name:

Facility address: 7432 ALEXANDER RD

BILLINGS, MT 591032548

EPA ID: MTD000818096 Mailing address: PO BOX 30198

BILLINGS, MT 591070198

Contact: MARK J COHN Contact address: PO BOX 30198

BILLINGS, MT 591070198

Contact country: US

Contact telephone: (406) 255-2672

MARK.J.COHN@P66.COM Contact email:

EPA Region: 80 Land type: Private **TSDF** Classification:

Description: Handler is engaged in the treatment, storage or disposal of hazardous

waste

Classification: Non-Generator

Handler: Non-Generators do not presently generate hazardous waste Description:

Owner/Operator Summary:

Owner/operator name: CONOCO IN Owner/operator address: PO BOX 30198

BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2672

State Legal status: Owner/Operator Type: Owner Owner/Op start date: 08/10/1987 Owner/Op end date: Not reported

CONOCOPHILLIPS COMPANY Owner/operator name:

Owner/operator address: PO BOX 30198

BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2672

Legal status: Private Owner/Operator Type: Operator Owner/Op start date:

02/24/2003 Owner/Op end date: 04/26/2012

Owner/operator name: PHILLIPS 66 COMPANY

Owner/operator address: PO BOX 30198

BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2560

Legal status: Private

Owner/Operator Type: Owner Owner/Op start date: 04/26/2012 **EDR ID Number**

US AIRS

Direction Distance Elevation

ration Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Owner/Op end date: Not reported

Owner/operator name: CONOCO INC
Owner/operator address: PO BOX 30198
BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2672

Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 08/10/1987
Owner/Op end date: Not reported

Owner/operator name: CONOCO INC
Owner/operator address: PO BOX 30198
BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2672

Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 08/10/1987
Owner/Op end date: 04/26/2012

Owner/operator name: CONOCOPHILLIPS COMPANY

Owner/operator address: PO BOX 30198 BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2672 Legal status: Private

Owner/Operator Type: Owner
Owner/Op start date: 02/24/2003
Owner/Op end date: Not reported

Owner/operator name: CONOCOPHILLIPS COMPANY

Owner/operator address: PO BOX 30198

BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2672

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/24/2003
Owner/Op end date: Not reported

Owner/operator name: CONOCO IN
Owner/operator address: PO BOX 30198
BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2672

Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 08/10/1987
Owner/Op end date: 04/26/2012

Owner/operator name: CONOCOPHILLIPS COMPANY

Owner/operator address: PO BOX 30198

BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2672

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/24/2003
Owner/Op end date: 04/26/2012

Owner/operator name: PHILLIPS 66 COMPANY

Owner/operator address: PO BOX 30198

BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2560

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/26/2012
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: Nο Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Historical Generators:

Date form received by agency: 02/29/2012

Site name: PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT

Classification: Not a generator, verified

Date form received by agency: 02/10/2012

Site name: PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT

Classification: Not a generator, verified

Date form received by agency: 11/23/2010

Site name: CONOCOPHILLIPS COMPANY BILLINGS LTU

Classification: Not a generator, verified

Date form received by agency: 07/15/2008

Site name: CONOCOPHILLIPS COMPANY BILLINGS LTU

Classification: Not a generator, verified

Date form received by agency: 02/25/2003

Site name: CONOCOPHILLIPS COMPANY BILLINGS LTU

Classification: Not a generator, verified

Date form received by agency: 10/09/2002

Site name: CONOCO LANDFARM

Classification: Unverified

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

Date form received by agency: 02/24/1994

Site name: CONOCO REFINERY LAND FARM

Classification: Not a generator, verified

Date form received by agency: 02/28/1992

CONOCO LANDFARM Site name: Classification: Not a generator, verified

Date form received by agency: 07/31/1991

Site name: CONOCO LANDFARM Classification: Not a generator, verified

Date form received by agency: 03/14/1990

Site name: CONOCO INC. BILLINGS LANDFARM

Classification: Not a generator, verified

Date form received by agency: 11/19/1980

CONOCO LANDFARM Site name: Classification: Not a generator, verified

Waste code: K048

Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K049

Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste code:

HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING Waste name:

INDUSTRY.

Waste code:

Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Date form received by agency: 08/15/1980

CONOCO LANDFARM Site name: Classification: Not a generator, verified

Waste code: K048

Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K049

SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY. Waste name:

Waste code:

Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

K051 Waste code:

API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY. Waste name:

Corrective Action Summary:

Event date: 01/01/1987

Event: Corrective Action Process Terminated

Event date: 09/30/1987 Map ID MAP FINDINGS
Direction

Distance Elevation

ion Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Event: RFA Completed, Assessment was an RFA.

Event date: 12/18/1991

Event: CA Prioritization, Facility or area was assigned a low corrective

action priority.

Event date: 09/01/1997

Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 09/01/1997 Event: CA076LO

Event date: 09/01/1997 Event: CA077LO

Event date: 09/15/1997

Event: Igration of Contaminated Groundwater under Control, Unacceptable

migration of contaminated groundwater is observed or expected.

Event date: 09/15/1997

Event: Current Human Exposures under Control, Current human exposures are NOT

under control.

Event date: 09/30/1998

Event: Stabilization Measures Evaluation, This facility is not amenable to

stabilization activity at the present time for reasons other than 1-it appears to be technically infeasible or inappropriate (NF) or 2-there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at

the facility, or other administrative considerations.

Event date: 11/04/1998

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of

Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of

significant changes at the facility.

Event date: 11/04/1998

Event: Current Human Exposures under Control, Yes, Current Human Exposures

Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant

changes at the facility.

Event date: 05/27/2010 Event: CA550NR

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Facility Has Received Notices of Violations:

Regulation violated: PC - 40 CFR 264.143(f)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003 Date achieved compliance: 05/28/2003 Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/29/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.147(g)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003 Date achieved compliance: 05/28/2003 Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 05/19/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.145(f)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 05/19/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.143(f)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 05/28/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Regulation violated: PC - 40 CFR 264.143(f)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003 Date achieved compliance: 05/28/2003 Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 05/19/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.147(g)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 05/28/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.145(f)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/29/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.145(f)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 05/28/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.147(g)

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/29/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 40 CFR 270.42(e)

Area of violation: TSD - Land Treatment Standards

Date violation determined: 09/06/2001
Date achieved compliance: 12/24/2001
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 10/24/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 40 CFR 270.42(e)

Area of violation: TSD - Land Treatment Standards

Date violation determined: 09/06/2001
Date achieved compliance: 12/24/2001
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/10/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 40 CFR 270.42(e)

Area of violation: TSD - Land Treatment Standards

Date violation determined: 09/06/2001
Date achieved compliance: 12/24/2001
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 03/01/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 40 CFR 270.42(e)

Area of violation: TSD - Land Treatment Standards

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Date violation determined: 09/06/2001 Date achieved compliance: 12/24/2001 Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 11/21/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - CONDITION III.C.2.

Area of violation: TSD - Land Treatment Standards

Date violation determined: 07/19/2001
Date achieved compliance: 12/24/2001
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 10/23/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: PC - CONDITION III.C.2.

Area of violation: TSD - Land Treatment Standards

Date violation determined: 07/19/2001
Date achieved compliance: 12/24/2001
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 03/01/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Proposed penalty amount: Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - CONDITION III.C.2.

Area of violation: TSD - Land Treatment Standards

Date violation determined: 07/19/2001
Date achieved compliance: 12/24/2001
Violation lead agency: State

Enforcement action: VIOLATION LETTER - INTENT TO SUBMIT TO DEQ ENF

Enforcement action date: 10/01/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Proposed penalty amount: Not reported Not reported Paid penalty amount: Not reported Not reported Not reported

Regulation violated: SR - permit condition

Area of violation: TSD - General Facility Standards

Date violation determined: 12/14/1994

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Date achieved compliance: 01/11/1995 Violation lead agency: State Enforcement action: Not reported Enforcement action date: Not reported Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: Not reported Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 16.44.405

Area of violation: TSD - Manifest/Records/Reporting

Date violation determined: 06/07/1993
Date achieved compliance: 06/30/1993
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/11/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 16.44.405

Area of violation: TSD - Manifest/Records/Reporting

Date violation determined: 06/07/1993
Date achieved compliance: 06/30/1993
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 06/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM 16.44.702

Area of violation: TSD - General Facility Standards

Date violation determined: 06/10/1992
Date achieved compliance: 08/24/1992
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 08/24/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM 16.44.702

Area of violation: TSD - General Facility Standards

Date violation determined: 06/10/1992 Date achieved compliance: 08/24/1992

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/10/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD - Land Treatment Standards

Date violation determined: 07/08/1991
Date achieved compliance: 07/23/1991
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 07/08/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Not reported Paid penalty amount: Not reported Not reported Not reported

Regulation violated: FR - 40 CFR 264.52

Area of violation: TSD - Contingency Plan and Emergency Procedures

Date violation determined: 06/07/1991
Date achieved compliance: 08/07/1991
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD - Land Treatment Standards

Date violation determined: 05/31/1991
Date achieved compliance: 06/24/1991
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/04/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 10/16/2014

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation lead agency: State

Evaluation date: 07/09/2014

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 02/24/2014

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 02/24/2014

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 06/17/2013

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 06/17/2013

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

EPA

Evaluation date: 04/20/2013

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 03/04/2013

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 03/04/2013

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/18/2012

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 10/24/2012

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/22/2012

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 02/29/2012

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 02/20/2012

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 09/20/2011

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/11/2011

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/01/2011

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/01/2011

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/23/2010

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/27/2010

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation lead agency: State

Evaluation date: 09/27/2010

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 04/07/2010

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/11/2010

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/11/2010

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 12/09/2009

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/03/2009

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 03/05/2009

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/05/2009

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 07/15/2008

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 06/23/2008

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/22/2008

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 04/29/2008

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/05/2008

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 06/25/2007

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/06/2007

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/04/2007

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 11/01/2006

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/05/2006

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/31/2006

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation lead agency: State

Evaluation date: 03/31/2006

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 09/28/2005

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 08/23/2005

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 08/26/2004

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 08/26/2004

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/10/2004

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 03/09/2004

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/26/2003

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
State

Evaluation date: 08/14/2003

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 04/29/2003

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

Date achieved compliance: 05/28/2003 Evaluation lead agency: State

Evaluation date: 03/05/2003

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 10/09/2002

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 05/13/2002

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/17/2002

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/10/2002

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/03/2002

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

EPA

Evaluation date: 11/08/2001

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/06/2001

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Land Treatment Standards

Date achieved compliance: 12/24/2001 Evaluation lead agency: State

Evaluation date: 07/31/2001

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation lead agency: State

Evaluation date: 07/19/2001

Evaluation: NON-FINANCIAL RECORD REVIEW Area of violation: TSD - Land Treatment Standards

Date achieved compliance: 12/24/2001 Evaluation lead agency: State

Evaluation date: 03/02/2001

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 12/14/2000

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 11/15/2000

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 07/28/2000

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/26/2000

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 03/06/2000

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
State

Evaluation date: 11/17/1999

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
State

Evaluation date: 04/09/1999

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/29/1999

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 09/17/1998

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 03/16/1998

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 11/04/1997

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 11/04/1997

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/1996

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/26/1996

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 12/01/1995

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/14/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/18/1995

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Not reported

Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation lead agency: State

Evaluation date: 03/20/1995

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 12/07/1994

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 11/17/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Facility Standards

Date achieved compliance: 01/11/1995 Evaluation lead agency: State

Evaluation date: 11/04/1993

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 11/04/1993

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 10/19/1993

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 05/18/1993

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Manifest/Records/Reporting

Date achieved compliance: 06/30/1993 Evaluation lead agency: State

Evaluation date: 05/18/1993

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 04/14/1993

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/15/1992

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/28/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Facility Standards

Date achieved compliance: 08/24/1992 Evaluation lead agency: State

Evaluation date: 05/26/1992

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/30/1992

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/27/1992

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 02/12/1992

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 11/15/1991

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 07/08/1991

Evaluation: NON-FINANCIAL RECORD REVIEW Area of violation: TSD - Land Treatment Standards

Date achieved compliance: 07/23/1991 Evaluation lead agency: State

Evaluation date: 07/07/1991

Evaluation: NON-FINANCIAL RECORD REVIEW Area of violation: TSD - Land Treatment Standards

Date achieved compliance: 07/23/1991 Evaluation lead agency: State

Evaluation date: 05/31/1991

Evaluation: NON-FINANCIAL RECORD REVIEW Area of violation: TSD - Land Treatment Standards

Date achieved compliance: 06/24/1991

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation lead agency: State

Evaluation date: 05/30/1991

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of violation: TSD - Contingency Plan and Emergency Procedures

Date achieved compliance: 08/07/1991 Evaluation lead agency: State

Evaluation date: 05/29/1991

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/12/1991

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 02/07/1991

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 07/10/1990

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 01/02/1990

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 06/06/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 05/17/1989

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 04/28/1989

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 09/06/1988

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 06/15/1988

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 06/14/1988

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 06/01/1988

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/31/1988

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/16/1988

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/13/1988

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 11/10/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 11/10/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 07/08/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation lead agency: State

Evaluation date: 04/15/1987

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 02/11/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

EPA

Evaluation date: 02/11/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 10/23/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 10/23/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 09/15/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 07/31/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 05/22/1986

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:

Date achieved compliance:
Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 05/22/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 12/18/1985

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 07/30/1985

Evaluation: GROUNDWATER MONITORING EVALUATION

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 07/30/1985

Evaluation: GROUNDWATER MONITORING EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 02/20/1985

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 01/31/1985

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 10/02/1984

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 10/02/1984

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/08/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/02/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CERC-NFRAP:

Site ID: 0800372

Federal Facility: Not a Federal Facility NPL Status: Not on the NPL

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13162166.00000
Person ID: 13002699.00000

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY

Date Started: / /
Date Completed: 08/01/80
Priority Level: Not reported

Action: ARCHIVE SITE

Date Started: / /
Date Completed: 01/01/84
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: //

Date Completed: 01/01/84

Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

CORRACTS:

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19870101

Action: CA999 - Corrective Action Process Terminated

NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19970901

Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary

NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19970901 Action: CA077LO NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Actual Date: 19970901 Action: CA076LO NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19981104

Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,

Migration of Contaminated Groundwater Under Control has been verified

NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19981104

Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human

Exposures Under Control has been verified

NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19970915

Action: CA725NO - Current Human Exposures Under Control, Current human

exposures are NOT under control

NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19970915

Action: CA750NO - Migration of Contaminated Groundwater under Control,

Unacceptable migration of contaminated groundwater is observed or

expected

NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19911218

Action: CA075LO - CA Prioritization, Facility or area was assigned a low

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

corrective action priority

NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 20100527 Action: CA550NR NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19870930

Action: CA050RF - RFA Completed, Assessment was an RFA

NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD000818096

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19980930

Action: CA225NR - Stabilization Measures Evaluation, This facility is, not

amenable to stabilization activity at the, present time for reasons

other than (1) it appears to be technically, infeasible or

inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative

considerations

NAICS Code(s): 562211

Hazardous Waste Treatment and Disposal

Original schedule date: Not reported Schedule end date: Not reported

2020 COR ACTION:

EPA ID: MTD000818096

Region: 8

Action: Not reported

US FIN ASSUR:

 EPA ID:
 MTD000818096

 Provider:
 2012 MARCH FT

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2012 MARCH FT Cost estimate: 312110.01

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Face value: 91404021.870000005

Effective date: 3/21/2012

EPA ID: MTD000818096 Provider: 2012 MARCH FT

EPA region:

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2012 MARCH FT Cost estimate: 346098.76

Face value: 91404021.870000005

Effective date: 3/21/2012

 EPA ID:
 MTD000818096

 Provider:
 2012 MARCH FT

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2012 MARCH FT

Cost estimate: 2000000

Face value: 91404021.870000005

Effective date: 3/21/2012

EPA ID: MTD000818096
Provider: CONOCOPHILLIPS

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

 Mechanism ID:
 2010 MARCH FT

 Cost estimate:
 302807.91

 Face value:
 103578146.87

 Effective date:
 3/22/2010

EPA ID: MTD000818096
Provider: CONOCOPHILLIPS

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

 Mechanism ID:
 2010 MARCH FT

 Cost estimate:
 335783.67

 Face value:
 103578146.87

 Effective date:
 3/22/2010

EPA ID: MTD000818096
Provider: CONOCOPHILLIPS

EPA region:

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

 Mechanism ID:
 2010 MARCH FT

 Cost estimate:
 2000000

 Face value:
 103578146.87

 Effective date:
 3/22/2010

EPA ID: MTD000818096
Provider: CONOCOPHILLIPS

EPA region:

County: YELLOWSTONE

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2011 MARCH FT Cost estimate: 305678.53

Face value: 98899726.849999994

Effective date: 3/21/2011

EPA ID: MTD000818096
Provider: CONOCOPHILLIPS

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2011 MARCH FT

Cost estimate: 338966.9

Face value: 98899726.849999994

Effective date: 3/21/2011

EPA ID: MTD000818096
Provider: CONOCOPHILLIPS

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2011 MARCH FT

Cost estimate: 2000000

Face value: 98899726.849999994

Effective date: 3/21/2011

EPA ID: MTD000818096 Provider: PHILLIPS 66

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2012 MARCH FT Cost estimate: 312110.01

Face value: 89661345.480000004

Effective date: 7/18/2012

EPA ID: MTD000818096 Provider: PHILLIPS 66

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2012 MARCH FT Cost estimate: 346098.76

Face value: 89661345.480000004

Effective date: 7/18/2012

EPA ID: MTD000818096 Provider: PHILLIPS 66

EPA region:

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2012 MARCH FT

Cost estimate: 2000000

Face value: 89661345.480000004

Effective date: 7/18/2012

EPA ID: MTD000818096

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

EDR ID Number

Provider: PHILLIPS 66

EPA region:

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2013 MARCH FT

Cost estimate: 125000

Face value: 93942329.489999995

Effective date: 3/21/2013

EPA ID: MTD000818096 Provider: PHILLIPS 66

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2013 MARCH FT Cost estimate: 317618.75

Face value: 93942329.489999995

Effective date: 3/21/2013

EPA ID: MTD000818096
Provider: PHILLIPS 66
EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2013 MARCH FT

Cost estimate: 2000000

Face value: 93942329.489999995

Effective date: 3/21/2013

EPA ID: MTD000818096 Provider: PHILLIPS 66

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2014 TEST Cost estimate: 322360.8

Face value: 94423372.439999998

Effective date: 4/1/2014

EPA ID: MTD000818096 Provider: PHILLIPS 66

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2014 TEST Cost estimate: 357465.86

Face value: 94423372.439999998

Effective date: 4/1/2014

EPA ID: MTD000818096 Provider: PHILLIPS 66

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2014 TEST Cost estimate: 2000000

Face value: 94423372.439999998

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PHILLIPS 66 COMPANY BILLINGS LAND TREATMENT UNIT (Continued)

1000331306

Effective date: 4/1/2014

AIRS (AFS):

Compliance and Violation Data Major Sources: EPA plant ID: 110043806085 Plant name: **BILLINGS REFINERY** Plant address: 401 S 23RD ST

BILLINGS, MT 591014337

County: YELLOWSTONE

Region code: 80 Dunn & Bradst #: 006229405 Air quality cntrl region: 140 Sic code: 2911

PETROLEUM REFINING Sic code desc:

North Am. industrial classf: 324110

NAIC code description: Petroleum Refineries

UNKNOWN COMPLIANCE STATUS Default compliance status:

Default classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE

THRESHOLDS

Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR

LOCAL GOVERNMENT

Current HPV: Not reported

AB109 **CONOCOPHILLIPS COMPANY**

> 401 S 23RD ST BILLINGS, MT 59101

1/4-1/2 0.432 mi.

SSE

2282 ft. Site 2 of 3 in cluster AB

DELETED HWS:

Relative: Site:

CONB Lower Program: **CECRA** Actual: Ranking Code: **REF** 3115 ft. 12/21/1996 Delisted Date:

Retrived Date: 05/31/2015 Program Date: None 1/1/1989 Listed: Referredj Date: None

CONB Site: Program: **CERCLA** Ranking Code: None Delisted Date: 12/24/1987 Retrived Date: 05/31/2015 Program Date: 8/1/1980 Listed: 8/1/1980 Referredj Date: 12/24/1987

CONB Site: Program: **HWA** Ranking Code: REF Delisted Date: 12/21/1996 Retrived Date: 05/31/2015 Program Date: 8/1/1980 Listed: None

DEL SHWS

REM RPROGRAM

AIRS

S110302539

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Referredj Date: None

AIRS:

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HYDROGEN PLNT PROCESS HTR

Point: 35

Segment Description: PRCSS HTR-H9401 PSA GAS

SCC: 30600106

Annual Process Rate: 2704

Process Rate Units(A): MMCF

Emission Factor(A): 0.0000

Emission Factor Units(A): lbs/MMCF

Cal Method(A): C

Emission Factor Source(A): MB

Control Efficiency(A):

Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Double MMCF

Double MMCF

 Cal Method(B):
 C

 Emission Factor Source(B):
 MB

 Control Efficiency(B):
 Not reported

 Tons(B):
 0.0000

 Pollutant(B):
 VOC

Pollutant(B): VOC
Process Rate Units(C): MMCF
Emission Factor(C): 0.9372
Emission Factor Units(C): lbs/MMCF
Cal Method(C): C

INDR Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 1.2671 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 0.9372 Emission Factor Units(D): lbs/MMCF Cal Method(D): C

Emission Factor Source(D): INDR
Control Efficiency(D): Not reported
Tons(D): 1.2671

Direction Distance Elevation

Site Database(s) EPA ID Number

PT

Not reported

Not reported

Not reported Not reported

Not reported

Not reported

Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

Pollutant(D):

S110302539

EDR ID Number

MMCF Process Rate Units(E): Emission Factor(E): 8.0742 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported Tons(E): 10.9163 Pollutant(E): NO₂ Process Rate Units(F): **MMCF** Emission Factor(F): 18.7700 lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): **INDR** Control Efficiency(F): Not reported Tons(F): 25.3770 Pollutant(F): CO Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported

Process Rate Units(K):

Emission Factor Units(K):

Emission Factor Source(K):

Emission Factor(K):

Control Efficiency(K):

Cal Method(K):

Tons(K):

Pollutant(K):

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported Not reported PRIMARY KEY FOR SITE: PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

CONOCOPHILLIPS COMPANY Mailing Company: Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

2008 Year Of Inventory:

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401. RECYCLE HYDROGEN FURNACE

INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: FOUR BOILERS

Point:

Segment Description: 4 BOILERS-OIL FUEL

SCC: 10200401 Annual Process Rate: 437 Process Rate Units(A): 1000 Gallons

Emission Factor(A): 0.0800 Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A): Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): 0.0175 Pollutant(A): NH3 Process Rate Units(B): 1000 Gallons Emission Factor(B): 0.7600

Emission Factor Units(B): lbs/1000 Gallons

Cal Method(B): C Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.1661 Pollutant(B): VOC Process Rate Units(C): 1000 Gallons Emission Factor(C): 39.1588

Emission Factor Units(C): lbs/1000 Gallons C

Cal Method(C):

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 8.5562 Pollutant(C): PM10 Process Rate Units(D): 1000 Gallons Emission Factor(D): 39.1588 Emission Factor Units(D): lbs/1000 Gallons

Cal Method(D):

Distance Elevation Site

te Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(D):

Control Efficiency(D):

Not reported

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

AP5TH

Not reported

8.5562

PM2.5

1000 Gallons

Emission Factor(E):

39.1588

Emission Factor Units(E):

Ibs/1000 Gallons

 Cal Method(E):
 C

 Emission Factor Source(E):
 AP5TH

 Control Efficiency(E):
 Not reported

 Tons(E):
 8.5562

 Pollutant(E):
 PT

Process Rate Units(F): 1000 Gallons
Emission Factor(F): 66.5350
Emission Factor Units(F): lbs/1000 Gallons

 Cal Method(F):
 C

 Emission Factor Source(F):
 AP4TH

 Control Efficiency(F):
 Not reported

 Tons(F):
 14.5379

 Pollutant(F):
 CO

Process Rate Units(G): 1000 Gallons
Emission Factor(G): 129.1085
Emission Factor Units(G): lbs/1000 Gallons

 Cal Method(G):
 C

 Emission Factor Source(G):
 INDR

 Control Efficiency(G):
 Not reported

 Tons(G):
 28.2102

 Pollutant(G):
 NO2

Process Rate Units(H): 1000 Gallons
Emission Factor(H): 171.5469
Emission Factor Units(H): lbs/1000 Gallons

Cal Method(H):

Emission Factor Source(H):

Control Efficiency(H):

Tons(H):

Pollutant(H):

Process Rate Ligits(I):

CEM

Not reported

SO2

Not reported

Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported

Not reported

Not reported

Cal Method(K):

Emission Factor Source(K):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported Not reported PRIMARY KEY FOR SITE: PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: RCYCL HYDRGN FRNC H-8401

Point: 3

Segment Description: PRCSS HTR-PRCSS GAS H8401

SCC: 30600104 Annual Process Rate: 130

Process Rate Units(A): MMCF
Emission Factor(A): 0.9214
Emission Factor Units(A): lbs/MMCF

Cal Method(A): C
Emission Factor Source(A): MB

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

Not reported

MMCF

SO2

MMCF

2.8000

Ibs/MMCF

Cal Method(B):

C

Cal Method(B): Emission Factor Source(B): AP4TH Control Efficiency(B): Not reported Tons(B): 0.1820 Pollutant(B): VOC Process Rate Units(C): **MMCF** 3.0000 Emission Factor(C): Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP4TH

 Emission Factor Source(C):
 AP4TH

 Control Efficiency(C):
 Not reported

 Tons(C):
 0.1950

 Pollutant(C):
 PM10

 Process Rate Units(D):
 MMCF

Distance Elevation Site

Database(s)

Not reported

Not reported

Not reported

Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor(D): 3.0000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 0.1950 Tons(D): Pollutant(D): PT Process Rate Units(E): **MMCF** Emission Factor(E): 29.8769 lbs/MMCF Emission Factor Units(E): Cal Method(E): С Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported Tons(E): 1.9420 Pollutant(E): NO₂ Process Rate Units(F): **MMCF** Emission Factor(F): 61.0000 lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 3.9650 Pollutant(F): CO Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported

Control Efficiency(J):

Process Rate Units(K):

Emission Factor(K):

Tons(J):

Pollutant(J):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: FRACTIONTR FD FRNC H8402

Point: 34

Segment Description: PRCSS HTR-PRCSS GAS H8402

 SCC:
 30600104

 Annual Process Rate:
 259

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 0.9214

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Cal Method(A): C
Emission Factor Source(A): MB
Control Efficiency(A): Not r

Not reported 0.1193 Tons(A): Pollutant(A): SO2 Process Rate Units(B): **MMCF** Emission Factor(B): 2.8000 Emission Factor Units(B): lbs/MMCF Cal Method(B): AP4TH Emission Factor Source(B): Control Efficiency(B): Not reported Tons(B): 0.3626

 Tons(B):
 0.3626

 Pollutant(B):
 VOC

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 3.0000

 Emission Factor Units(C):
 Ibs/MMCF

 Cal Method(C):
 C

 Emission Factor Source(C):
 AP4TH

 Control Efficiency(C):
 Not reported

Direction Distance Elevation

n Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(C): 0.3885 PM10 Pollutant(C): Process Rate Units(D): MMCF Emission Factor(D): 3.0000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.3885 Pollutant(D): PT **MMCF** Process Rate Units(E): Emission Factor(E): 29.8378 lbs/MMCF Emission Factor Units(E): Cal Method(E): Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported 3.8640 Tons(E): Pollutant(E): NO₂ Process Rate Units(F): **MMCF** Emission Factor(F): 61.0000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 7.8995 Pollutant(F): CO Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Not reported Emission Factor Source(G): Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Not reported Emission Factor(H): Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Not reported Emission Factor Units(J): Cal Method(J): Not reported

Emission Factor Source(J):

Control Efficiency(J):

Tons(J):

Not reported

Not reported

Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(J): Not reported Not reported Process Rate Units(K): Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

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 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: FUGITIVE HC EMISSIONS

Point: 26

Segment Description: FUGITIVE HC EMISSION

 SCC:
 30688801

 Annual Process Rate:
 21672

 Process Rate Units(A):
 1000 Barrels

 Emission Factor(A):
 20.7484

 Emission Factor Units(A):
 lb/1000 bbl

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

Cinnon

INDR

Not reported

224.8297

VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Not reported Tons(B): Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported

MAP FINDINGS Map ID Direction

Distance Elevation Site

EDR ID Number Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Not reported Tons(C): Pollutant(C): Not reported Process Rate Units(D): Not reported Not reported Emission Factor(D): Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Not reported Tons(D): Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Not reported Cal Method(E): Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Not reported Emission Factor Source(I): Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: JUPITER MAIN STACK

Point: 28

Segment Description: ATS PRODUCTION

SCC: 30104002 Annual Process Rate: 116475 Process Rate Units(A): Ton Emission Factor(A): 0.0000 Emission Factor Units(A): lb/Ton Cal Method(A): C Emission Factor Source(A): MB Control Efficiency(A): 0.0000 Tons(A): Not reported Pollutant(A): VOC

Process Rate Units(B): Ton Emission Factor(B): 0.0302 Emission Factor Units(B): lb/Ton Cal Method(B): С Emission Factor Source(B): STD Control Efficiency(B): Not reported Tons(B): 1.7588 Pollutant(B): CO

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(C): Ton
Emission Factor(C): 0.1169
Emission Factor Units(C): Ib/Ton
Cal Method(C): C
Emission Factor Source(C): MB

Control Efficiency(C): Not reported 6.8080 Tons(C): Pollutant(C): PT Process Rate Units(D): Ton Emission Factor(D): 0.1169 Emission Factor Units(D): lb/Ton Cal Method(D): С Emission Factor Source(D): STD Not reported

 Control Efficiency(D):
 Not rep

 Tons(D):
 6.8080

 Pollutant(D):
 PM10

 Process Rate Units(E):
 Ton

 Emission Factor(E):
 0.3099

 Emission Factor Units(E):
 Ib/Ton

 Cal Method(E):
 C

 Emission Factor Source(E):
 MB

Control Efficiency(E): Not reported Tons(E): 18.0478 Pollutant(E): NH3 Process Rate Units(F): Ton Emission Factor(F): 0.4798 Emission Factor Units(F): lb/Ton Cal Method(F): С Emission Factor Source(F): CEM Control Efficiency(F): Not reported Tons(F): 27.9424 Pollutant(F): SO₂ Process Rate Units(G): Ton Emission Factor(G): 1.0965 Emission Factor Units(G): lb/Ton Cal Method(G): С Emission Factor Source(G): STD Control Efficiency(G): Not reported Tons(G): 63.8574

Pollutant(G): NO₂ Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: Longitude: -108.48906

CONOCOPHILLIPS COMPANY Mailing Company: Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

ALLEN C EGGEN **Emissions Contact: Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: JUPITER MAIN STACK

28 Point:

Segment Description: **ELEMENTAL SULFUR RECOVERY**

SCC: 30103299 Annual Process Rate: 27066 Process Rate Units(A): Tons (Long) Emission Factor(A): 0.0000

Emission Factor Units(A): lbs/Ton (Long) Cal Method(A):

Emission Factor Source(A): **OTHER** Control Efficiency(A): 0.0000 Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): Tons (Long) Emission Factor(B): 0.0000 Emission Factor Units(B): lbs/Ton (Long)

Cal Method(B): Emission Factor Source(B): **OTHER**

MAP FINDINGS Map ID Direction

Distance Elevation Site

Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Control Efficiency(B): 0.0000 Tons(B): Not reported Pollutant(B): NO2 Process Rate Units(C): Tons (Long) Emission Factor(C): 0.0000 Emission Factor Units(C): lbs/Ton (Long)

Cal Method(C): Emission Factor Source(C): **OTHER** Control Efficiency(C): 0.0000 Tons(C): Not reported Pollutant(C): PM10 Process Rate Units(D): Tons (Long) Emission Factor(D): 0.0000 Emission Factor Units(D): lbs/Ton (Long)

Cal Method(D): Emission Factor Source(D): **OTHER** Control Efficiency(D): 0.0000 Tons(D): Not reported

Pollutant(D): PT

Process Rate Units(E): Tons (Long) Emission Factor(E): 0.0000

Emission Factor Units(E): lbs/Ton (Long) С

Cal Method(E):

Emission Factor Source(E): **OTHER** Control Efficiency(E): 0.0000 Tons(E): Not reported Pollutant(E): SO₂ Process Rate Units(F): Tons (Long) Emission Factor(F): 0.0000 Emission Factor Units(F): lbs/Ton (Long)

Cal Method(F): Emission Factor Source(F): **OTHER** Control Efficiency(F): 0.0000 Tons(F): Not reported

Pollutant(F): VOC

Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Not reported Process Rate Units(H): Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported

Not reported

Not reported

Not reported

Cal Method(I):

Emission Factor Source(I):

Control Efficiency(I):

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude: 45.780642

Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN (406) 255-2626 **Emissions Contact Phone:**

Year Of Inventory: 2008

CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: PMA PROCESS HTR (H-3201)

Point:

PMA PROCESS HTR (H-3201) Segment Description:

10200603 SCC: Annual Process Rate:

Process Rate Units(A): **MMCF** Emission Factor(A): 0.6000 Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): 0.0000 Tons(A): Not reported Pollutant(A): SO₂ Process Rate Units(B): **MMCF** Emission Factor(B): 5.7670

Distance Elevation S

tion Site Database(s) EPA ID Number

Not reported Not reported

Not reported

Not reported

Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): **INDR** Control Efficiency(B): 0.0000 Tons(B): Not reported Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 12.0000 Emission Factor Units(C): lbs/MMCF Cal Method(C): AP5TH Emission Factor Source(C): Control Efficiency(C): 0.0000 Tons(C): Not reported Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 12.0000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): 0.0000 Tons(D): Not reported Pollutant(D): PT Process Rate Units(E): **MMCF** Emission Factor(E): 15.0000 lbs/MMCF Emission Factor Units(E): Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): 0.0000 Tons(E): Not reported Pollutant(E): CO Process Rate Units(F): MMCF Emission Factor(F): 17.0000 Emission Factor Units(F): lbs/MMCF Cal Method(F): **INDR** Emission Factor Source(F): 0.0000 Control Efficiency(F): Not reported Tons(F): Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported

Control Efficiency(H):

Process Rate Units(I):

Emission Factor Units(I):

Emission Factor(I):

Tons(H): Pollutant(H):

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported Not reported PRIMARY KEY FOR PERMITTEE:

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT 59107 Mailing Zip:

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

2008 Year Of Inventory:

CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM Spt Type/Emissions:

UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: JUPITER FLARE

Point:

AMMONIUM SULFIDE PLANT Segment Description:

SCC: 30104002 Annual Process Rate: 12703 Process Rate Units(A): Ton Emission Factor(A): 0.0000 Emission Factor Units(A): lb/Ton Cal Method(A): Emission Factor Source(A): OTHER Control Efficiency(A): 0.0000 Tons(A): Not reported

Direction Distance Elevation

n Site Database(s) EPA ID Number

CO

Not reported

Not reported

Not reported

Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

Pollutant(A):

Cal Method(H):

Tons(H):

Pollutant(H):

Emission Factor Source(H):

Control Efficiency(H):

S110302539

EDR ID Number

Process Rate Units(B): Ton Emission Factor(B): 0.0000 Emission Factor Units(B): lb/Ton Cal Method(B): Emission Factor Source(B): **OTHER** Control Efficiency(B): 0.0000 Tons(B): Not reported Pollutant(B): NO₂ Process Rate Units(C): Ton Emission Factor(C): 0.0000 Emission Factor Units(C): lb/Ton Cal Method(C): Emission Factor Source(C): **OTHER** Control Efficiency(C): 0.0000 Tons(C): Not reported Pollutant(C): PM10 Process Rate Units(D): Ton Emission Factor(D): 0.0000 Emission Factor Units(D): lb/Ton Cal Method(D): С Emission Factor Source(D): **OTHER** Control Efficiency(D): 0.0000 Tons(D): Not reported Pollutant(D): PT Process Rate Units(E): Ton Emission Factor(E): 0.0083 Emission Factor Units(E): lb/Ton Cal Method(E): С Emission Factor Source(E): MB Control Efficiency(E): Not reported Tons(E): 0.0527 Pollutant(E): SO2 Process Rate Units(F): Ton Emission Factor(F): 0.0157 Emission Factor Units(F): lb/Ton Cal Method(F): Emission Factor Source(F): OTHER Control Efficiency(F): Not reported Tons(F): 0.0997 Pollutant(F): VOC Process Rate Units(G): Not reported Emission Factor(G): Not reported Not reported Emission Factor Units(G): Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory:

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

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Point Name: HEATER #16

Point: 13

Segment Description: HEATER #16 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 179 Process Rate Units(A): **MMCF** Emission Factor(A): 0.9214 Emission Factor Units(A): lbs/MMCF

Cal Method(A): С

Distance Elevation Sit

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(A): MB Not reported Control Efficiency(A): 0.0825 Tons(A): Pollutant(A): SO2 Process Rate Units(B): **MMCF** Emission Factor(B): 5.5000 lbs/MMCF Emission Factor Units(B): Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.4923 Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 7.6000

lbs/MMCF Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.6802 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.6802 Pollutant(D): **MMCF** Process Rate Units(E): Emission Factor(E): 84.0000 Emission Factor Units(E): lbs/MMCF

Cal Method(E): Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 7.5180 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 lbs/MMCF Emission Factor Units(F): Cal Method(F): С

Cal Method(F):

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Process Rate Units(G):

CAP5TH

Not reported
8.9500

NO2

Not reported

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: -108.48906 Longitude:

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2008

CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #17

Point:

Segment Description: HEATER #17 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 324 Process Rate Units(A): MMCF

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(A):

Emission Factor Units(A):

Cal Method(A):

Emission Factor Source(A):

Country

C

Control Efficiency(A):
Not reported
Tons(A):
0.1493
Pollutant(A):
Process Rate Units(B):
MMCF
Emission Factor(B):
Emission Factor Units(B):
Ibs/MMCF

Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.8910 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.6000 Emission Factor Units(C): lbs/MMCF

Cal Method(C): C
Emission Factor Source(C): AP5TH
Control Efficiency(C): Not reported
Tons(C): 1.2312

Pollutant(C): PM10

Process Rate Units(D): MMCF

Emission Factor(D): 7.6000

Emission Factor Units(D): Ibs/MMCF

Cal Method(D): C

Emission Factor Source(D): AP5TH

Control Efficiency(D): Not reporte

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

Not reported

MMCF

PT

MMCF

84.0000

Ibs/MMCF

C

Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 13.6080 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Not reported
16.2000
NO2

Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Not reported Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 -108.48906 Longitude:

CONOCOPHILLIPS COMPANY Mailing Company: Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES. ENTERED BY L. RADONICH 3/09, 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #18

Point: 15

Segment Description: HEATER #18 - (FUEL) GAS

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 SCC:
 30600104

 Annual Process Rate:
 290

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 0.9214

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

 Emission Factor Source(A):
 MB

Control Efficiency(A):
Not reported
Tons(A):
0.1336
Pollutant(A):
SO2
Process Rate Units(B):
Emission Factor(B):
Emission Factor Units(B):
Cal Method(B):
Not reported
MMCF
SO2
Ibs/MMCF
S.5000
Ibs/MMCF
C

Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported 0.7975 Tons(B): Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.6000 Emission Factor Units(C): lbs/MMCF Cal Method(C): С

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 1.1020 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP5TH

Not reported

1.1020

PT

PT

PMMCF

84.0000

Ibs/MMCF

Cal Method(E):

C

Emission Factor Source(F):

Control Efficiency(F):

Not reported
Tons(F):

14.5000

Pollutant(F):

NO2

Process Rate Units(G):

Emission Factor(G):

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Point Name: TEMPORARY BOILER

Point: 46

Segment Description: NATURAL FUEL GAS

SCC: 10200602 Annual Process Rate: 0

Process Rate Units(A): MMCF
Emission Factor(A): 0.6000
Emission Factor Units(A): lbs/MMCF

Cal Method(A): С Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported 0.0000 Tons(A): Pollutant(A): SO₂ Process Rate Units(B): **MMCF** Emission Factor(B): 5.5000 Emission Factor Units(B): lbs/MMCF

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Not reported

Not re

Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 Emission Factor Units(D): lbs/MMCF

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

C

AP5TH

Not reported

0.0000

PT

PT

MMCF

84.0000

Emission Factor Units(E):

Ibs/MMCF

C

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 190.0000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С

Cal Method(E):

 Emission Factor Source(F):
 INDR

 Control Efficiency(F):
 Not reported

 Tons(F):
 0.0000

 Pollutant(F):
 NO2

 Process Rate Units(G):
 Not reported

 Emission Factor(G):
 Not reported

 Emission Factor Units(G):
 Not reported

 Cal Method(G):
 Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

Distance Elevation

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #1

Point:

Segment Description: HEATER #1 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 248

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 0.9214

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): C
Emission Factor Source(A): MB

Control Efficiency(A):
Not reported
Tons(A):
0.1143
Pollutant(A):
SO2
Process Rate Units(B):
Emission Factor(B):
Emission Factor Units(B):
Cal Method(B):
Not reported
MMCF
SO2
I.4800
Ibs/MMCF
C

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Not reported

MMCF

MMCF

5.5000

Ibs/MMCF

Cal Method(C): С AP5TH Emission Factor Source(C): Control Efficiency(C): Not reported 0.6820 Tons(C): Pollutant(C): VOC Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 Emission Factor Units(D): lbs/MMCF Cal Method(D):

Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.9424 Pollutant(D): PM10 Process Rate Units(E): MMCF Emission Factor(E): 7.6000 Emission Factor Units(E): lbs/MMCF Cal Method(E): C

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.9424 Pollutant(E): PT **MMCF** Process Rate Units(F): Emission Factor(F): 15.5481 lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): STD

Control Efficiency(F):

Tons(F):

Pollutant(F):

Not reported
1.9280
NO2

Process Rate Units(G): Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Not reported Pollutant(G): Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Direction Distance Elevation

Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE

INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

#1 HYDROGEN PLANT RELIEF VENT Point Name:

Point:

RELIEF VENT - PSA GAS Segment Description:

SCC: 30600802 Annual Process Rate:

Process Rate Units(A): **MMCF** Emission Factor(A): 0.0000 Emission Factor Units(A): lbs/MMCF

Cal Method(A): Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): 1.3150 Pollutant(A): CO

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported

Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported

Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported

Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported

Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported

Emission Factor Source(F): Not reported Control Efficiency(F): Not reported

Direction Distance Elevation

evation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen Not reported **Emissions Contact Phone:**

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

lbs/1000 Gallons

Hughes, entered by D. Linkenbach 3/12.

FOUR BOILERS Point Name:

Point:

Segment Description: 4 BOILERS-OIL FUEL

SCC: 10200401 Annual Process Rate: 307

1000 Gallons Process Rate Units(A): Emission Factor(A): 5.000000 Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A): AP4TH Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 0.7675 Pollutant(A): CO

Process Rate Units(B): 1000 Gallons Emission Factor(B): 20.000000 lbs/1000 Gallons Emission Factor Units(B):

Cal Method(B):

Emission Factor Source(B): **STDR** Control Efficiency(B): Not reported 3.0700 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): 1000 Gallons Emission Factor(C): 1.500000

Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.2303 Pollutant(C): PM-CON Process Rate Units(D): 1000 Gallons Emission Factor(D): 3.104400 Emission Factor Units(D): lbs/1000 Gallons

Cal Method(D): С AP4TH Emission Factor Source(D): Control Efficiency(D): Not reported 0.4765 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): 1000 Gallons Emission Factor(E): 3.851500 Emission Factor Units(E): lbs/1000 Gallons Cal Method(E):

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.5912 PM25-FIL Pollutant(E): Process Rate Units(F): 1000 Gallons

Emission Factor(F): 2.091900 Emission Factor Units(F): lbs/1000 Gallons Cal Method(F): C

Emission Factor Source(F): AP4TH Control Efficiency(F): Not reported

Distance Elevation

vation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 $\begin{array}{ll} {\sf Tons}({\sf F}) \colon & 0.3211 \\ {\sf Pollutant}({\sf F}) \colon & {\sf PT} \end{array}$

Process Rate Units(G): 1000 Gallons
Emission Factor(G): 127.061900
Emission Factor Units(G): lbs/1000 Gallons

 Cal Method(G):
 C

 Emission Factor Source(G):
 CEM

 Control Efficiency(G):
 Not reported

 Tons(G):
 19.5040

 Pollutant(G):
 SO2

 Process Rate Units(H):
 1000 Gallons

 Emission Factor(H):
 0.760000

Emission Factor Units(H): Ibs/1000 Gallons
Cal Method(H): C
Emission Factor Source(H): AP5TH
Control Efficiency(H): Not reported
Tons(H): 0.1167
Pollutant(H): VOC
Process Rate Units(I): Not reported
Emission Factor(I): Not reported

Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K):

Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Emission Factor Units(K):

Emission Factor Source(K):

Cal Method(K):

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Not reported

Not reported

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen Not reported **Emissions Contact Phone:**

2011 Year Of Inventory:

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

FOUR BOILERS Point Name:

Point:

Segment Description: 4 BOILERS-PROCESS GAS

SCC: 10200701 Annual Process Rate: 1405 MMCF Process Rate Units(A): Emission Factor(A): 77.515300 Emission Factor Units(A): lbs/MMCF Cal Method(A): CEM Emission Factor Source(A):

Control Efficiency(A): Not reported 54.4545 Tons(A): Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 259.655500 lbs/MMCF Emission Factor Units(B): С

Cal Method(B):

Emission Factor Source(B): **STDR** Control Efficiency(B): Not reported Tons(B): 182.4080 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 4.0043 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 1.3348 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF

Cal Method(E):

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 1.3348 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF

Cal Method(F): C Emission Factor Source(F): AP4TH Control Efficiency(F): Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 5.3390 Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 1.517400 Emission Factor Units(G): lbs/MMCF Cal Method(G): Emission Factor Source(G): CEM Control Efficiency(G): Not reported 1.0660 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 3.8638 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude:

Airs Number: 111-0011
Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported
Mailing Address: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing State: Not reported
Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #1

Point: 2

Segment Description: HEATER #1 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 258

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.480000

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): C
Emission Factor Source(A): STD

Control Efficiency(A):
Not reported
Tons(A):
0.1909
Pollutant(A):
CO
Process Rate Units(B):
Emission Factor(B):
Emission Factor Units(B):
Cal Method(B):
Not reported
MMCF
ED
State Units(B):
Not reported
In 1909
In 1909
Ibs/MMCF
Cal Method(B):
Co
Ibs/MMCF
Cal Method(B):
Cal M

Emission Factor Source(B): STD

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

NO2

MMCF

5.700000

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor (D):

Control Efficiency(C):

Not reported
0.7353

Pollutant(C):

PM-CON

MMCF

Emission Factor(D):

1.900000

Emission Factor Units(D):

Ibs/MMCF

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.2451 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF

Cal Method(E): C Emission Factor Source(E): A

Emission Factor Source(E):

Control Efficiency(E):

Not reported

O.2451

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

MP5TH

Not reported

MC5-FIL

MMCF

7.600000

Emission Factor Units(F):

Ibs/MMCF

Cal Method(F):

Ci Emission Factor Source(F):

Control Efficiency(F):

Control

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 0.9804

Pollutant(F): PT

Process Rate Units(G): MMCF

Emission Factor(G): 1.310100

Emission Factor Units(G): lbs/MMCF

Cal Method(G): C

Emission Factor Source(G): MB

Control Efficiency(G):

Not reported
Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Cal Method(H):

Emission Factor Source(H):

Control Efficiency(H):

Not reported

AP5TH

Not reported

Control Efficiency(H):

Tons(H):

Pollutant(H):

Process Rate Units(I):

Emission Factor(I):

Not reported

Not reported

Not reported

Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported

Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #2

Point: 3

Segment Description: HEATER #2 - (FUEL) GAS

С

SCC: 30600104

Annual Process Rate:

Process Rate Units(A):

Emission Factor(A):

Emission Factor Units(A):

Cal Method(A):

O

MMCF

84.000000

Ibs/MMCF

C

Emission Factor Source(A):

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

MP5TH

Not reported

0.0000

MMCF

Emission Factor(B):

100.000000

Emission Factor Units(B):

Ibs/MMCF

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Not reported

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Todouble March

Tons(B):

NO2

Process Rate Units(C):

Todouble March

Todouble March

Todouble March

The March

The

Emission Factor Units(C): lbs/MMCF
Cal Method(C): C
Emission Factor Source(C): AP5TH

Control Efficiency(C):

Not reported

0.0000

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

Not reported

MMCF

PM-CON

MMCF

7.600000

Emission Factor Units(D):

Ibs/MMCF

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 7.600000 Emission Factor Units(E): lbs/MMCF

Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Not reported

Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

T.600000

T.600000

 Emission Factor Units(F):
 Ibs/MMCF

 Cal Method(F):
 C

 Emission Factor Source(F):
 AP5TH

 Control Efficiency(F):
 Not reported

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Tons(F): 0.0000 Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 2.125000 Emission Factor Units(G): lbs/MMCF Cal Method(G): Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.0000 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH

Control Efficiency(H): Not reported 0.0000 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

UNIQUE IDENTIFIER:

PRIMARY KEY FOR SITE:

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Not reported

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #4

Point: 4

Segment Description: HEATER #4 - (FUEL) GAS

С

SCC: 30600104

Annual Process Rate:

Process Rate Units(A):

Emission Factor(A):

Emission Factor Units(A):

Cal Method(A):

O

MMCF

84.000000

Ibs/MMCF

C

Emission Factor Source(A):

Control Efficiency(A):

Not reported

0.0000

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

MMCF

Emission Factor Units(B):

Ibs/MMCF

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Not reported

0.0000

Pollutant(B):

Process Rate Units(C):

MMCF

Emission Factor(C):

MSCMMCF

Ibs/MMCF

Emission Factor Units(C): lbs/MMCF
Cal Method(C): C
Emission Factor Source(C): AP5TH

Control Efficiency(C):

Not reported

0.0000

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

MMCF

7.600000

Emission Factor Units(D):

Ibs/MMCF

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 7.600000 Emission Factor Units(E): lbs/MMCF

Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

AP5TH

Not reported

0.0000

MMC5-FIL

MMCF

7.600000

Emission Factor Units(F): Ibs/MMCF
Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Tons(F): 0.0000 Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 1.406700 Emission Factor Units(G): lbs/MMCF Cal Method(G): Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.0000 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Not reported

Control Efficiency(H): 0.0000 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported

Emission Factor(I):

Emission Factor(K): Emission Factor Units(K):

Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported

Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #5

Point: 5

Segment Description: HEATER#5 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 22

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): AP5TH Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 0.9240 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

 Emission Factor Source(B):
 AP5TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 1.1000

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 Ibs/MMCF

 Cal Method(C):
 C

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0627 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Not reported

O.0209

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Dis/MMCF

Cal Method(E): C
Emission Factor Source(E): AP5TH
Control Efficiency(E): Not reported

 Tons(E):
 0.0209

 Pollutant(E):
 PM25-FIL

 Process Rate Units(F):
 MMCF

 Emission Factor(F):
 7.600000

 Emission Factor Units(F):
 lbs/MMCF

Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

Tons(H):

S110302539

EDR ID Number

Tons(F): 0.0836
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 1.272700
Emission Factor Units(G): lbs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.0140 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported

0.0605

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported

Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: COKER HEATER

Point: Segment Description: H-3901 SCC: 30600106 Annual Process Rate: 937 MMCF Process Rate Units(A): 84.000000 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported

 Emission Factor Source(B):
 STD

 Control Efficiency(B):
 50.0000

 Tons(B):
 20.1460

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 Ibs/MMCF

 Cal Method(C):
 C

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 2.6705 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP5TH

Not reported

Not reported

1.8902

PM10-FIL

MMCF

1.900000

Ibs/MMCF

Cal Method(E):

C

Emission Factor Source(E):

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

MP5TH
Not reported
Not reported
MMC5-FIL
MMCF
FMS5-FIL
MMCF

T.600000

Emission Factor Units(F):

Ibs/MMCF

Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

Tons(H):

S110302539

EDR ID Number

Tons(F): 3.5606

Pollutant(F): PT

Process Rate Units(G): MMCF

Emission Factor(G): 1.312700

Emission Factor Units(G): Ibs/MMCF

Cal Method(G): C

Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.6150 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported

2.5768

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR PERMITTEE:

PRIMARY KEY FOR SITE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #10

Point: 7

Segment Description: HEATER #10 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 140

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 5.8800 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

 Emission Factor Source(B):
 AP5TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 7.0000

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 Ibs/MMCF

 Cal Method(C):
 C

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.3990 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Not reported

Not reported

1.330

PM10-FIL

MMCF

Emission Factor(E):

1.900000

Emission Factor Units(E):

Ibs/MMCF

Cal Method(E): C Emission Factor Source(E):

Emission Factor Source(E):

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

MP5TH
Not reported
Not reported
MMCF
FM25-FIL
MMCF
F.600000

Emission Factor Units(F):

Ibs/MMCF

Cal Method(F):

Cimission Factor Source(F):

Control Efficiency(F):

Control E

Distance

Elevation Site Database(s) EPA ID Number

0.3850

CONOCOPHILLIPS COMPANY (Continued)

Tons(H):

S110302539

EDR ID Number

Tons(F): 0.5320
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 1.314300
Emission Factor Units(G): Ibs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.0920 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR PERMITTEE:

PRIMARY KEY FOR SITE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #11

Point: 8

Segment Description: HEATER #11 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 350

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A):

Control Efficiency(A):

Not reported
14.7000
Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

MMCF

100.000000

Emission Factor Units(B):

Ibs/MMCF

Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported 17.5000 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.9975 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP5TH

Not reported

Not reported

1.325

MMCF

1.900000

Ibs/MMCF

Cal Method(E):

C

Emission Factor Source(E):

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

AP5TH

Not reported

Not reported

MM25-FIL

MMCF

7.600000

Emission Factor Units(F): lbs/MMCF
Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 1.3300
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 1.314300
Emission Factor Units(G): lbs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.2300 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 0.9625 Tons(H):

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported

Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #12

Point: 9

Segment Description: 00524 #12 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 477

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 20.0340 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

Emission Factor Source(B):

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Cal Method(C):

AP5TH

Not reported

Not reported

5.78000

MMCF

5.700000

Ibs/MMCF

C

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 1.3595 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP5TH

Not reported

Not reported

1.4932

PM10-FIL

MMCF

1.900000

Ibs/MMCF

Cal Method(E):

C

Emission Factor Source(E):

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

T.600000

T.600000

Emission Factor Units(F): Ibs/MMCF
Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported

Distance

Elevation Site Database(s) EPA ID Number

Not reported

Not reported Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 1.8126
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 1.312400
Emission Factor Units(G): Ibs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.3130 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported

Tons(H): 1.3118

Pollutant(H): VOC

Process Rate Units(I): Not reported

Emission Factor(I): Not reported

Emission Factor Units(I): Not reported

Cal Method(I):

Process Rate Units(K):

Emission Factor(K):

Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported

Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

Cal Method(A):

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen Not reported **Emissions Contact Phone:**

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

HEATER #13 Point Name:

Point:

Segment Description: HEATER #13 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 69 MMCF Process Rate Units(A): 84.000000 Emission Factor(A): Emission Factor Units(A): lbs/MMCF

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 2.8980 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported 3.4500 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.1967 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF

Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 0.0656 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF

С

Cal Method(E):

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0656 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF

Cal Method(F): C Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

0.1898

CONOCOPHILLIPS COMPANY (Continued)

Tons(H):

Emission Factor(K): Emission Factor Units(K): S110302539

EDR ID Number

Tons(F): 0.2622
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 1.304300
Emission Factor Units(G): lbs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.0450 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported

Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #14

Point: 11

Segment Description: HEATER #14 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 94

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): AP5TH Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 3.9480 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

 Emission Factor Source(B):
 AP5TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 4.7000

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 Ibs/MMCF

 Cal Method(C):
 C

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.2679 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

MP5TH

Not reported

0.0893

PM10-FIL

MMCF

1.900000

Emission Factor Units(E):

Ibs/MMCF

Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

MP5TH
Not reported
Not reported
MMC5-FIL
MMCF
T.600000

Emission Factor Units(F):

Ibs/MMCF

Emission Factor Units(F): Ibs/MMCF
Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 Tons(F):
 0.3572

 Pollutant(F):
 PT

 Process Rate Units(G):
 MMCF

 Emission Factor(G):
 1.319100

 Emission Factor Units(G):
 Ibs/MMCF

 Cal Method(G):
 C

 Emission Factor Source(G):
 MB

Control Efficiency(G): Not reported 0.0620 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported

Tons(H): 0.2585

Pollutant(H): VOC

Process Rate Units(I): Not reported
Emission Factor(I): Not reported
Emission Factor Units(I): Not reported
Cal Method(I): Not reported

Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported

Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Process Rate Units(K):

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #15

Point: 12

Segment Description: HEATER #15 - (FUEL) GAS

С

SCC: 30600104

Annual Process Rate: 8
Process Rate Units(A): MMCF
Emission Factor(A): 84.000000
Emission Factor Units(A): lbs/MMCF
Cal Method(A): C

Emission Factor Source(A):

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

MP5TH

Not reported

CO

MMCF

HMCF

H00.000000

Emission Factor Units(B):

Ibs/MMCF

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

AP5TH

Not reported

No4000

MO2

MMCF

5.700000

Emission Factor(C): 5.700000

Emission Factor Units(C): Ibs/MMCF

Cal Method(C): C

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor (D):

Emission Factor Units(D):

MPTH

Not reported

0.0228

PM-CON

MMCF

Emission Factor(D):

1.900000

Emission Factor Units(D):

Ibs/MMCF

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 0.0076 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF

Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Not reported

 Tons(E):
 0.0076

 Pollutant(E):
 PM25-FIL

 Process Rate Units(F):
 MMCF

 Emission Factor(F):
 7.600000

 Emission Factor Units(F):
 Ibs/MMCF

 Cal Method(F):
 C

 Emission Factor Source(F):
 AP5TH

 Control Efficiency(F):
 Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

0.0220

CONOCOPHILLIPS COMPANY (Continued)

Tons(H):

S110302539

EDR ID Number

 Tons(F):
 0.0304

 Pollutant(F):
 PT

 Process Rate Units(G):
 MMCF

 Emission Factor(G):
 1.250000

 Emission Factor Units(G):
 Ibs/MMCF

 Cal Method(G):
 C

 Emission Factor Source(G):
 MB

Control Efficiency(G): Not reported 0.0050 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported

Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

UNIQUE IDENTIFIER:

PRIMARY KEY FOR SITE:

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Not reported

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #16

Point: 13

Segment Description: HEATER #16 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 173

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): Emission Factor Source(A): AP4TH Control Efficiency(A): Not reported Tons(A): 7.2660 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С Emission Factor Source(B): AP5TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 8.6500

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 lbs/MMCF

 Cal Method(C):
 C

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.4931 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Not reported

Not reported

Not reported

1.900000

1.900000

1.900000

1.900000

1.900000

1.900000

1.900000

1.900000

1.900000

1.900000

1.900000

Cal Method(E): C
Emission Factor Source(E): AP5TH

Control Efficiency(E):
Not reported
Tons(E):
0.1644
Pollutant(E):
Process Rate Units(F):
Emission Factor(F):
Emission Factor Units(F):
Ibs/MMCF

Emission Factor Units(F): Ibs/MMCF
Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 0.6574

Pollutant(F): PT

Process Rate Units(G): MMCF

Emission Factor(G): 1.306400

Emission Factor Units(G): Ibs/MMCF

Cal Method(G): C

Emission Factor Source(G): MB

Control Efficiency(G):

Not reported
Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Cal Method(H):

Emission Factor Source(H):

Not reported

MMCF

SO2

MMCF

5.500000

Ibs/MMCF

C

AP5TH

Control Efficiency(H):
Not reported
Tons(H):
Pollutant(H):
VOC
Process Rate Units(I):
Not reported
Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported

Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #17

Point: 14

Segment Description: HEATER #17 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 327

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 13.7340 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

 Emission Factor Source(B):
 AP5TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 16.3500

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.9320 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

MP5TH

Not reported

0.3107

PM10-FIL

MMCF

1.900000

1.900000

1.900000

1.900000

1.900000

1.900000

Cal Method(E): C
Emission Factor Source(E): AP5TH

 Control Efficiency(E):
 Not reported

 Tons(E):
 0.3107

 Pollutant(E):
 PM25-FIL

 Process Rate Units(F):
 MMCF

 Emission Factor(F):
 7.600000

 Emission Factor Units(F):
 lbs/MMCF

Emission Factor Units(F): Ibs/MMCF
Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported

Distance Elevation S

tion Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 1.2426
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 1.308900
Emission Factor Units(G): lbs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.2140 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 0.8993 Tons(H):

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

UNIQUE IDENTIFIER:

PRIMARY KEY FOR SITE:

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Not reported

Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emissions Contact: Ashley Thorsen Not reported **Emissions Contact Phone:**

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

HEATER #18 Point Name:

Point: 15

Segment Description: HEATER #18 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 286 MMCF Process Rate Units(A): 84.000000 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A):

AP5TH Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 12.0120 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B):

Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 14.3000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C):

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.8151 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.2717 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF

Cal Method(E): Emission Factor Source(E): AP5TH

Control Efficiency(E): Not reported Tons(E): 0.2717 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF

Cal Method(F): C Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 1.0868
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 1.307700
Emission Factor Units(G): Ibs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G):

Not reported
Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Cal Method(H):

Emission Factor Source(H):

Not reported

MMCF

SO2

MMCF

5.500000

Ibs/MMCF

C

AP5TH

Control Efficiency(H):

Not reported
Tons(H):

Pollutant(H):

VOC

Process Rate Units(I):

Not reported

Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported

Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Cal Method(K):

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emissions Contact: Ashley Thorsen Not reported **Emissions Contact Phone:**

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

HEATER #19 Point Name:

Point:

Segment Description: HEATER #19 - (FUEL) GAS

С

SCC: 30600104

Annual Process Rate: Process Rate Units(A): **MMCF** 84.000000 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A):

AP5TH Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B):

Cal Method(B):

Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000

Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH

Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0000 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF

Cal Method(E):

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000

Emission Factor Units(F): lbs/MMCF Cal Method(F): C Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

0.0000

CONOCOPHILLIPS COMPANY (Continued)

Tons(H):

S110302539

EDR ID Number

Tons(F): 0.0000
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 1.310700
Emission Factor Units(G): lbs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.0000 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported

Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #20

Point: 17

Segment Description: HEATER #20 - (FUEL) GAS

С

lbs/MMCF

 SCC:
 30600104

 Annual Process Rate:
 12

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84,000000

Process Rate Units(A):

Emission Factor(A):

Emission Factor Units(A):

Cal Method(A):

Emission Factor Source(A):

MMCF

84.000000

Ibs/MMCF

C

AP5TH

Control Efficiency(A):
Not reported
Tons(A):
0.5040
Pollutant(A):
CO
Process Rate Units(B):
MMCF
Emission Factor(B):
100.000000
Emission Factor Units(B):
Ibs/MMCF

Cal Method(B):

 Emission Factor Source(B):
 AP5TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 0.6000

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

Emission Factor (C): 5.700000

Emission Factor Units(C): Ibs/MMCF

Cal Method(C): C

Emission Factor Source(C):

Control Efficiency(C):

Not reported
Tons(C):

Pollutant(C):

Process Rate Units(D):

MMCF

Emission Factor(D): 1.900000
Emission Factor Units(D): Ibs/MMCF
Cal Method(D): C

Emission Factor Source(D):

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

AP5TH

Not reported

0.0114

PM10-FIL

MMCF

Emission Factor(E):

1.900000

Emission Factor Units(E): Cal Method(E):

Cal Method(E): C
Emission Factor Source(E): AP5TH
Control Efficiency(E): Not reported

 Tons(E):
 0.0114

 Pollutant(E):
 PM25-FIL

 Process Rate Units(F):
 MMCF

 Emission Factor(F):
 7.600000

 Emission Factor Units(F):
 Ibs/MMCF

 Cal Method(F):
 C

 Emission Factor Source(F):
 AP5TH

 Control Efficiency(F):
 Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 0.0456
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 1.333300
Emission Factor Units(G): lbs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G):

Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Cal Method(H):

Emission Factor Source(H):

Not reported

0.0080

SO2

MMCF

5.500000

Ibs/MMCF

C

AP5TH

Control Efficiency(H):

Not reported
Tons(H):

Pollutant(H):

VOC

Process Rate Units(I):

Not reported

Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported

Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Cal Method(K):

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #21

Point: 18

Segment Description: HEATER #21 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 315

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): AP5TH Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 13.2300 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

 Emission Factor Source(B):
 AP5TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 15.7500

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 Ibs/MMCF

 Cal Method(C):
 C

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

C AP5TH

Not reported

0.2993

PM10-FIL

MMCF

1.900000

Emission Factor Units(E):

Ibs/MMCF

Cal Method(E): C
Emission Factor Source(E): AP5TH

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

Not reported
MACF
PM25-FIL
MMCF
T.600000

Emission Factor Units(F):

Ibs/MMCF

Cal Method(F):

Cimission Factor Onits(F):

Cimission Factor Source(F):

Control Efficiency(F):

Not reported

Distance Elevation

ion Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 1.1970
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 1.314300
Emission Factor Units(G): Ibs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.2070 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 0.8663 Tons(H):

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #23

Point: 20

Segment Description: HEATER #23 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 238

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 9.9960 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Cal Method(C):

AP5TH

Not reported

11.9000

MMCF

5.700000

Ibs/MMCF

C

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.6783 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP5TH

Not reported

Not reported

1.261

NMCF

PM10-FIL

MMCF

1.900000

Ibs/MMCF

Cal Method(E):

C

Emission Factor Source(E):

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

Cal Method(F):

AP5TH

Not reported

Not reported

7.261

NMCF

7.600000

Ibs/MMCF

Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

Tons(H):

Tons(I):

S110302539

EDR ID Number

Tons(F): 0.9044 Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 1.310900 Emission Factor Units(G): lbs/MMCF Cal Method(G): Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.1560 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported

0.6545

Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported

Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HEATER #24

Point: 21

Segment Description: HEATER #24 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 817

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

AP5TH Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 34.3140 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

Emission Factor Source(B):

Control Efficiency(B):

Not reported
40.8500

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

MP5TH

Not reported
40.8500

NO2

MMCF

5.700000

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor (D):

MMCF

Logonomic March

1.900000

Logonomic Method Method

Logonomic March

1.900000

Logonomic Method

1.900000

Logonomic Method

Logonomic Me

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.7762 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF

Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

MP5TH
Not reported
Not reported
MMCF
PM25-FIL
MMCF
F.600000

Emission Factor Units(F):

Ibs/MMCF

Emission Factor Units(F): Ibs/MMCF
Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

Tons(H):

S110302539

EDR ID Number

 Tons(F):
 3.1046

 Pollutant(F):
 PT

 Process Rate Units(G):
 MMCF

 Emission Factor(G):
 1.312100

 Emission Factor Units(G):
 Ibs/MMCF

 Cal Method(G):
 C

 Emission Factor Source(G):
 MB

Control Efficiency(G): Not reported 0.5360 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported

Pollutant(H): VOC
Process Rate Units(I): Not reported
Emission Factor(I): Not reported
Emission Factor Units(I): Not reported
Cal Method(I): Not reported

2.2468

Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported

Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported

PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011

Latitude: Not reported

Longitude: Not reported

Mailing Company: Not reported

Mailing Address: Not reported

UNIQUE IDENTIFIER:

PRIMARY KEY FOR SITE:

SEGMENT/POLLUTANT COMMENT:

Mailing Address.

Mailing City:

Mailing State:

Mot reported

Not reported

Not reported

Not reported

Not reported

Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: FCC UNIT

Point: 22

Segment Description: FCC UNIT SCC: 30600201
Annual Process Rate: 6100

Process Rate Units(A): 1000 Barrels
Emission Factor(A): 7.606600
Emission Factor Units(A): Ib/1000 bbl

 Cal Method(A):
 C

 Emission Factor Source(A):
 CEM

 Control Efficiency(A):
 99.9000

 Tons(A):
 23.2001

 Pollutant(A):
 CO

Process Rate Units(B): 1000 Barrels
Emission Factor(B): 14.163900
Emission Factor Units(B): Ib/1000 bbl
Cal Method(B): C

Emission Factor Source(B): CEM

Control Efficiency(B):
Not reported
Tons(B):
43.1999
Pollutant(B):
NO2
Process Rate Units(C):
1000 Barrels

Emission Factor (C):

Emission Factor Units (C):

Cal Method (C):

4.574200

Ib/1000 bbl

Cal Method (C):

C

Emission Factor Source(C):

Control Efficiency(C):

Not reported
Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

STD

Not reported
13.9513

PM-CON
1000 Barrels
8.737000

Emission Factor Units(D):

Ib/1000 bbl

Cal Method(D): C
Emission Factor Source(D): STD

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

Not reported
1000 Reported
1000 Barrels
1000 Barre

Emission Factor Source(E): STD

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

Not reported
13.4319

PM25-FIL
1000 Barrels
19.625600

Emission Factor Units(F):

Ib/1000 bbl

Cal Method(F): C
Emission Factor Source(F): STD
Control Efficiency(F): 95.5000

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SO₂

CONOCOPHILLIPS COMPANY (Continued)

Pollutant(G):

S110302539

Tons(F): 59.8581 Pollutant(F): PT Process Rate Units(G): 1000 Barrels Emission Factor(G): 5.318000 Emission Factor Units(G): lb/1000 bbl Cal Method(G): Emission Factor Source(G): CEM Control Efficiency(G): 50.0000 16.2199 Tons(G):

Process Rate Units(H): 1000 Barrels Emission Factor(H): 0.000500 lb/1000 bbl Emission Factor Units(H):

Cal Method(H): Emission Factor Source(H): **INDR** Control Efficiency(H): 99.9000 0.0015 Tons(H): Pollutant(H): VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

FLARE Point Name: Point: 23 Segment Description: **FLARE** SCC: 30600999 Annual Process Rate: 138 Process Rate Units(A): **MMCF** 377.289900 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A):

Emission Factor Source(A): MB Control Efficiency(A): 0.0000 Tons(A): 26.0330 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 69.333300 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

Emission Factor Source(B):INDRControl Efficiency(B):Not reportedTons(B):4.7840Pollutant(B):NO2Process Rate Units(C):MMCFEmission Factor(C):18.910000

Emission Factor(C):

Emission Factor Units(C):

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

18.910000

Ibs/MMCF

C
INDR

Not reported

1.3048

Pollutant(C): PM-CON
Process Rate Units(D): MMCF
Emission Factor(D): 6.305000
Emission Factor Units(D): lbs/MMCF
Cal Method(D): C

Emission Factor Source(D):

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

INDR

Not reported

0.4350

PM10-FIL

MMCF

6.305000

Emission Factor Units(E):

Ibs/MMCF

Cal Method(E): C
Emission Factor Source(E): INDR

Control Efficiency(E):
Not reported
Tons(E):
0.4350
Pollutant(E):
Process Rate Units(F):
Emission Factor(F):
Emission Factor Units(F):
U

Cal Method(F):

Ci Emission Factor Source(F):

Control Efficiency(F):

Not reported

MAP FINDINGS Map ID Direction

Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Tons(F): 1.7402 Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 22.753600 lbs/MMCF Emission Factor Units(G): Cal Method(G): Emission Factor Source(G): MB

Control Efficiency(G): Not reported 1.5700 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 142.753600 Emission Factor(H): lbs/MMCF Emission Factor Units(H):

Cal Method(H): Emission Factor Source(H): **INDR** Control Efficiency(H): 0.0000 9.8500 Tons(H): Pollutant(H): VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: STORAGE TANKS

Point: 24

Segment Description: GASOLINE STORAGE TANKS

 SCC:
 40399999

 Annual Process Rate:
 23413

 Process Rate Units(A):
 1000 Barrels

 Emission Factor(A):
 13.270400

 Emission Factor Units(A):
 Ib/1000 bbl

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

CTANKS

Not reported
155.3499

VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Not reported Cal Method(B): Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported

Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported

Emission Factor Units(D): Not reported Cal Method(D): Not reported Not reported Emission Factor Source(D): Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported

Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

Distance Elevation

n Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: STORAGE TANKS

Point: 24

Segment Description: TANKS - CRUDE, DISTL

SCC: 40301199
Annual Process Rate: 65581
Process Rate Units(A): 1000 Gallons
Emission Factor(A): 1.648000
Emission Factor Units(A): lb/1000 bbl

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

VOC

Process Rate Units(B):

TANKS

Not reported

VOC

Not reported

Emission Factor(B): Not reported Emission Factor Units(B): Not reported Not reported Cal Method(B): Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported

 $\begin{tabular}{lll} Emission Factor Units(C): & Not reported \\ Cal Method(C): & Not reported \\ Emission Factor Source(C): & Not reported \\ Control Efficiency(C): & Not reported \\ Tons(C): & Not reported \\ Pollutant(C): & Not reported \\ Process Rate Units(D): & Not reported \\ \end{tabular}$

Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Not reported Emission Factor Source(D): Control Efficiency(D): Not reported Not reported Tons(D): Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported

Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported

Emission Factor Source(F): Not reported Control Efficiency(F): Not reported

Not reported

Cal Method(F):

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emissions Contact: Ashley Thorsen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2011

CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105 Spt Type/Emissions:

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Not reported

Hughes, entered by D. Linkenbach 3/12.

BULK LOADING-GASOLINE Point Name:

Point:

Segment Description: **BULK LOADING-GASOLINE**

SCC: 40400199 56062 Annual Process Rate: 1000 Gallons Process Rate Units(A): 0.000000 Emission Factor(A): Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A): **INDR** Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): VOC Process Rate Units(B): Not reported

Emission Factor(B): Not reported Emission Factor Units(B): Not reported Not reported Cal Method(B): Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported

Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported

Cal Method(C):

Not reported Tons(D): Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported

Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported

Distance Elevation

ion Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: FUGITIVE HC EMISSIONS

Point: 26

Segment Description: FUGITIVE HC EMISSION

 SCC:
 30688801

 Annual Process Rate:
 21060

 Process Rate Units(A):
 1000 Barrels

 Emission Factor(A):
 24.922300

 Emission Factor Units(A):
 lb/1000 bbl

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

VOC

Process Rate Units(B):

Not reported
Not reported

Emission Factor(B): Not reported Emission Factor Units(B): Not reported Not reported Cal Method(B): Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported

Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported

Not reported

Control Efficiency(D): Not reported Not reported Tons(D): Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported

Emission Factor Source(D):

Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emissions Contact: Ashley Thorsen Not reported **Emissions Contact Phone:**

2011 Year Of Inventory:

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

JUPITER MAIN STACK Point Name:

Point: 28

Segment Description: ATS PRODUCTION

SCC: 30104002 143084 Annual Process Rate: Process Rate Units(A): Ton Emission Factor(A): 0.024600 Emission Factor Units(A): lb/Ton Cal Method(A): Emission Factor Source(A): STD

Control Efficiency(A): Not reported Tons(A): 1.7599 Pollutant(A): CO Process Rate Units(B): Ton 0.741700 Emission Factor(B): Emission Factor Units(B): lb/Ton Cal Method(B): С Emission Factor Source(B): STD

Control Efficiency(B): Not reported 53.0627 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): Ton 0.088900 Emission Factor(C): Emission Factor Units(C): lb/Ton Cal Method(C): C Emission Factor Source(C): STDR Control Efficiency(C): Not reported Tons(C): 6.3601 Pollutant(C): PM-CON

Emission Factor Units(D): lb/Ton Cal Method(D): С STDR Emission Factor Source(D): Control Efficiency(D): Not reported Tons(D): 5.6876 Pollutant(D): PM10-FIL Process Rate Units(E): Ton Emission Factor(E): 0.018100 Emission Factor Units(E): lb/Ton

Ton

0.079500

Process Rate Units(D):

Emission Factor(D):

Cal Method(E): С Emission Factor Source(E): STDR Control Efficiency(E): Not reported Tons(E): 1.2949 PM25-FIL Pollutant(E): Process Rate Units(F): Ton Emission Factor(F): 0.079500 Emission Factor Units(F): lb/Ton Cal Method(F): C Emission Factor Source(F): MB

Control Efficiency(F): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 5.6876 Pollutant(F): PT Process Rate Units(G): Ton Emission Factor(G): 0.199300 Emission Factor Units(G): lb/Ton Cal Method(G): Emission Factor Source(G): CEM Control Efficiency(G): Not reported Tons(G): 14.2583 Pollutant(G): SO2 Process Rate Units(H): Ton 0.000000 Emission Factor(H): Emission Factor Units(H): lb/Ton Cal Method(H): Emission Factor Source(H): MB

Control Efficiency(H):

Tons(H):

Pollutant(H):

Not reported
0.0000
VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emissions Contact: Ashley Thorsen Not reported **Emissions Contact Phone:**

Year Of Inventory: 2011

CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105 Spt Type/Emissions:

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

JUPITER MAIN STACK Point Name:

Point: 28

Segment Description: **ELEMENTAL SULFUR RECOVERY**

SCC: 30103299 19514 Annual Process Rate: Tons (Long) Process Rate Units(A): Emission Factor(A): 0.000000 lbs/Ton (Long) Emission Factor Units(A):

Cal Method(A): OTHER Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): CO

Process Rate Units(B): Tons (Long) Emission Factor(B): 0.000000 Emission Factor Units(B): lbs/Ton (Long) Cal Method(B): С

Emission Factor Source(B): **OTHER** Control Efficiency(B): Not reported 0.0000 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): Tons (Long)

Emission Factor(C): 0.000000 Emission Factor Units(C): lbs/Ton (Long) Cal Method(C):

Emission Factor Source(C): **OTHER** Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM-CON Process Rate Units(D): Tons (Long) Emission Factor(D): 0.000000 Emission Factor Units(D): lbs/Ton (Long)

Cal Method(D): С Emission Factor Source(D): **OTHER** Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): Tons (Long) Emission Factor(E): 0.000000 Emission Factor Units(E): lbs/Ton (Long)

Cal Method(E): Emission Factor Source(E): **OTHER** Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): Tons (Long) Emission Factor(F): 0.000000

Emission Factor Units(F): lbs/Ton (Long) Cal Method(F): Emission Factor Source(F): **OTHER** Control Efficiency(F): Not reported

Distance Elevation

tion Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 $\begin{array}{lll} \mathsf{Tons}(\mathsf{F}) \colon & 0.0000 \\ \mathsf{Pollutant}(\mathsf{F}) \colon & \mathsf{PT} \\ \mathsf{Process} \ \mathsf{Rate} \ \mathsf{Units}(\mathsf{G}) \colon & \mathsf{Tons} \ (\mathsf{Long}) \end{array}$

Emission Factor (G):

0.000000

Emission Factor Units(G):

Ibs/Ton (Long)

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor (H):

DOMOTHER

Not reported

0.0000

SO2

Tons (Long)

Emission Factor Units(H):

Ibs/Ton (Long)

 Cal Method(H):
 C

 Emission Factor Source(H):
 OTHER

 Control Efficiency(H):
 Not reported

 Tons(H):
 0.0000

 Pollutant(H):
 VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

PRIMARY KEY FOR SITE:

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: JUPITER FLARE

Point: 30

Segment Description: AMMONIUM SULFIDE PLANT

SCC: 30104002

Annual Process Rate: 17237

Process Rate Units(A): Ton

Emission Factor(A): 0.000000

Emission Factor Units(A): Ib/Ton

Cal Method(A): C

Emission Factor Source(A): OTHER

Control Efficiency(A): Not reported

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Cal Method(B):

Not reported
0.00000

CO
0.00000

Double Discourse Di

Emission Factor Source(B): **OTHER** Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): NO₂ Process Rate Units(C): Ton 0.000000 Emission Factor(C): Emission Factor Units(C): lb/Ton Cal Method(C): Emission Factor Source(C): **OTHER**

Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM-CON Process Rate Units(D): Ton Emission Factor(D): 0.000000 Emission Factor Units(D): lb/Ton Cal Method(D): С Emission Factor Source(D): **OTHER** Control Efficiency(D): Not reported

 Control Efficiency (D):
 Not reported

 Tons(D):
 0.0000

 Pollutant(D):
 PM10-FIL

 Process Rate Units(E):
 Ton

 Emission Factor (E):
 0.000000

 Emission Factor Units(E):
 lb/Ton

 Cal Method(E):
 C

Emission Factor Source(E): **OTHER** Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): Ton Emission Factor(F): 0.000000 Emission Factor Units(F): lb/Ton Cal Method(F): Emission Factor Source(F): **OTHER**

Control Efficiency(F):

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 0.0000 Pollutant(F): PT Process Rate Units(G): Ton Emission Factor(G): 0.006100 Emission Factor Units(G): lb/Ton Cal Method(G): С Emission Factor Source(G): MB

Control Efficiency(G): Not reported Tons(G): 0.0526 Pollutant(G): SO2 Process Rate Units(H): Ton Emission Factor(H): 0.011600 Emission Factor Units(H): lb/Ton Cal Method(H): Emission Factor Source(H): **INDR** Control Efficiency(H): Not reported 0.1000 Tons(H):

VOC Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT:

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

PRIMARY KEY FOR SITE:

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Not reported

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen Not reported **Emissions Contact Phone:**

2011 Year Of Inventory:

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

PMA PROCESS HTR (H-3201) Point Name:

Point:

Segment Description: PMA PROCESS HTR (H-3201)

SCC: 10200603

Annual Process Rate: Process Rate Units(A): **MMCF** 15.000000 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A):

AP5TH Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): CO Process Rate Units(B): **MMCF** 17.000000 Emission Factor(B): lbs/MMCF Emission Factor Units(B): С

Cal Method(B):

Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 12.000000

Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM-CON

Process Rate Units(D): **MMCF** Emission Factor(D): 12.000000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 12.000000 Emission Factor Units(E): lbs/MMCF

Cal Method(E):

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 12.000000

Emission Factor Units(F): lbs/MMCF Cal Method(F): C Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number**

0.0000

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 0.600000 Emission Factor Units(G): lbs/MMCF Cal Method(G): Emission Factor Source(G): AP5TH Control Efficiency(G): Not reported 0.0000 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.767000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): **INDR** Control Efficiency(H): Not reported 0.0000 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude:

Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: RCYCL HYDRGN FRNC H-8401

Point: 33

Segment Description: PRCSS HTR-PRCSS GAS H8401

 SCC:
 30600104

 Annual Process Rate:
 46

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 61.391300

 Emission Factor Units(A):
 lbs/MMCF

 Cal Method(A):
 C

AP5TH Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 1.4120 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 30.087000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

Emission Factor Source(B):

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

INDR

Not reported

No2

MMCF

5.700000

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C): Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 0.1311 PM-CON Pollutant(C): Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor (E):

Emission Factor Units(E):

Cal Method(E):

AP4TH

Not reported

Not reported

1.00437

PM10-FIL

MMCF

1.900000

Ibs/MMCF

Cal Method(E):

C

Emission Factor Source(E):

Control Efficiency(E):

Control Efficiency(E):

Not reported

Not reported

Not reported

PM25-FIL

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

Ibs/MMCF

Emission Factor Units(F): Ibs/MMCF
Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported

Direction Distance Elevation

n Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 Tons(F):
 0.1748

 Pollutant(F):
 PT

 Process Rate Units(G):
 MMCF

 Emission Factor(G):
 1.304300

 Emission Factor Units(G):
 Ibs/MMCF

 Cal Method(G):
 C

 Emission Factor Source(G):
 MB

Control Efficiency(G):

Not reported
Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Cal Method(H):

Emission Factor Source(H):

Not reported

MMCF

2.80000

BMMCF

2.800000

Ibs/MMCF

C

AP4TH

Emission Factor Source(H):

Control Efficiency(H):

Not reported

0.0644

Pollutant(H):

Process Rate Units(I):

Not reported

Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported

Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: FRACTIONTR FD FRNC H8402

Point: 34

Segment Description: PRCSS HTR-PRCSS GAS H8402

 SCC:
 30600104

 Annual Process Rate:
 221

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 60.877800

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 6.7270 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 29.837800 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

 Emission Factor Source(B):
 INDR

 Control Efficiency(B):
 Not reported

 Tons(B):
 3.2971

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 0.6299 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP4TH

Not reported

Not reported

1.2100

MMCF

HM0CF

1.900000

Ibs/MMCF

C

Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 0.2100 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): C

Emission Factor Source(F):

Control Efficiency(F):

AP5TH

Not reported

Distance Elevation

n Site Database(s) EPA ID Number

0.3094

CONOCOPHILLIPS COMPANY (Continued)

Tons(H):

SITE ID SIC:

UNIQUE IDENTIFIER:

PRIMARY KEY FOR SITE:

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR PERMITTEE:

S110302539

EDR ID Number

 Tons(F):
 0.8398

 Pollutant(F):
 PT

 Process Rate Units(G):
 MMCF

 Emission Factor(G):
 1.312200

 Emission Factor Units(G):
 Ibs/MMCF

 Cal Method(G):
 C

 Emission Factor Source(G):
 MB

Control Efficiency(G): Not reported 0.1450 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 2.800000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP4TH Control Efficiency(H): Not reported

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Not reported

Not reported

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HYDROGEN PLNT PROCESS HTR

Point: 35

Segment Description: PRCSS HTR-H9401 PSA GAS

 SCC:
 30600106

 Annual Process Rate:
 2820

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 17.735500

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): **INDR** Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 25.0071 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 7.728200 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

Emission Factor Source(B): INDR
Control Efficiency(B): Not reported

Tons(B): 10.8968

Pollutant(B): NO2

Process Rate Units(C): MMCF

Emission Factor(C): 5.700000

Emission Factor Units(C): lbs/MMCF

Cal Method(C): C

 Car Method (c):
 AP5TH

 Emission Factor Source(C):
 AP5TH

 Control Efficiency(C):
 Not reported

 Tons(C):
 8.0370

 Pollutant(C):
 PM-CON

 Process Rate Units(D):
 MMCF

 Emission Factor(D):
 1.900000

 Emission Factor Units(D):
 Ibs/MMCF

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor (E):

Emission Factor Units(E):

DAP5TH

Not reported

2.6790

PM10-FIL

MMCF

Emission Factor(E):

1.900000

Emission Factor Units(E):

Ibs/MMCF

С

Cal Method(E): C
Emission Factor Source(E): AP5TH
Control Efficiency(E): Not reported

 Tons(E):
 2.6790

 Pollutant(E):
 PM25-FIL

 Process Rate Units(F):
 MMCF

 Emission Factor(F):
 3.000000

 Emission Factor Units(F):
 lbs/MMCF

Cal Method(F):

Ci Emission Factor Source(F):

Control Efficiency(F):

Control

Distance Elevation

n Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 4.2300
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 0.000000
Emission Factor Units(G): lbs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G):

Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Cal Method(H):

Emission Factor Source(H):

Mot reported

0.00000

MMCF

0.000000

Ibs/MMCF

C

Emission Factor Source(H):

MB

Control Efficiency(H):

Not reported
0.0000

Pollutant(H):

VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emissions Contact: Ashley Thorsen Not reported **Emissions Contact Phone:**

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

HYDROGEN PLNT PROCESS HTR Point Name:

Point:

Segment Description: PRCSS HTR-NAT'L GAS H9401

SCC: 30600105 Annual Process Rate: 555 Process Rate Units(A): MMCF 61.884700 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A):

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 17.1730 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 29.095500 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

Emission Factor Source(B): **STACK** Control Efficiency(B): 50.0000 Tons(B): 8.0740 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C):

Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 1.5818 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

AP4TH Emission Factor Source(D): Control Efficiency(D): Not reported Tons(D): 0.5273 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E):

Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 0.5273 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** 7.600000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF

Cal Method(F): C Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 2.1090 Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 0.600000 Emission Factor Units(G): lbs/MMCF Cal Method(G): Emission Factor Source(G): AP4TH Control Efficiency(G): Not reported 0.1665 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 2.800000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP4TH Control Efficiency(H): Not reported 0.7770 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude:

Airs Number: 111-0011
Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported
Mailing Address: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing State: Not reported
Mailing Zip: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: COKE HANDLING EQUIP/STG

Point: 36

Segment Description: COKE HANDLING & TRANSFER

С

SCC: 30501011
Annual Process Rate: 740911
Process Rate Units(A): Coke Shipped
Emission Factor(A): 0.000000
Emission Factor Units(A): lbs/Coke Shipped

 Cal Method(A):
 C

 Emission Factor Source(A):
 STDR

 Control Efficiency(A):
 99.0000

 Tons(A):
 0.0000

 Pollutant(A):
 PM-CON

 Process Rate Units(B):
 Coke Shipped

 Emission Factor(B):
 0.003300

Emission Factor Units(B): lbs/Coke Shipped

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

99.0000

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

INDR

99.0000

1.2225

PM10-FIL

Coke Shipped

Emission Factor(C):

0.003300

Emission Factor Units(C): lbs/Coke Shipped

 Cal Method(C):
 C

 Emission Factor Source(C):
 INDR

 Control Efficiency(C):
 99.0000

 Tons(C):
 1.2225

 Pollutant(C):
 PM25-FIL

 Process Rate Units(D):
 Coke Shipped

 Emission Factor (D):
 0.003300

 Emission Factor Units(D):
 Ibs/Coke Shipped

 Cal Method(D):
 C

 Emission Factor Source(D):
 INDR

 Control Efficiency(D):
 99.0000

 Tons(D):
 1.2225

 Pollutant(D):
 PT

Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Not reported Emission Factor(F): Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

Distance Elevation Sit

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: HYDROGEN PLANT

Point: 39

Segment Description: HYDROGEN PLANT

SCC: 30600199

Annual Process Rate: 8760

Process Rate Units(A): Hrs

Emission Factor(A): 0.107500

Emission Factor Units(A): Ibs/hr

Cal Method(A): C

Emission Factor Source(A): INDR

Control Efficiency(A): Not reported

Tons(A): 0.4709
Pollutant(A): VOC
Process Rate Units(B): Not reported
Emission Factor(B): Not reported
Emission Factor Units(B): Not reported

Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported

Process Rate Units(C):

Emission Factor(C):

Not reported
Emission Factor Units(C):

Not reported
Cal Method(C):

Not reported
Not reported
Not reported
Not reported
Emission Factor Source(C):

Control Efficiency(C):

Not reported
Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

Not reported
Not reported
Not reported
Not reported
Not reported

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Not reported

Not reported

Not reported

Not reported

Process Rate Units(E):

Emission Factor(E):

Not reported
Emission Factor Units(E):

Cal Method(E):

Emission Factor Source(E):

Not reported
Not reported

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

Cal Method(F):

Not reported
Not reported
Not reported
Not reported
Not reported

Emission Factor Source(F): Not reported Control Efficiency(F): Not reported

MAP FINDINGS Map ID Direction

Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: MISC. GAS EQUIPMENT

Point: 40

Segment Description: MISC DIESEL EQUIPMENT

SCC: 20200102 Annual Process Rate: 74

Process Rate Units(A): 1000 Gallons
Emission Factor(A): 64.432400
Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

C

AP4TH

Not reported

2.3840

CO

Process Rate Units(B): 1000 Gallons
Emission Factor(B): 299.162200
Emission Factor Units(B): lbs/1000 Gallons

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

AP4TH

Not reported

11.0690

NO2

1000 Gallons

12.486500

lbs/1000 Gallons Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): STDR Control Efficiency(C): Not reported Tons(C): 0.4620 Pollutant(C): PM-CON Process Rate Units(D): 1000 Gallons Emission Factor(D): 21.027000 Emission Factor Units(D): lbs/1000 Gallons

Cal Method(D): С **INDR** Emission Factor Source(D): Control Efficiency(D): Not reported 0.7780 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): 1000 Gallons Emission Factor(E): 12.486500 Emission Factor Units(E): lbs/1000 Gallons

Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Not reported

0.4620

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

STDR

Not reported

0.4620

PM25-FIL

1000 Gallons

6.648600

Ibs/1000 Gallons

Cal Method(F): C
Emission Factor Source(F): AP4TH
Control Efficiency(F): Not reported

Distance

Elevation Site Database(s) EPA ID Number

0.2460

SO₂

CONOCOPHILLIPS COMPANY (Continued)

Tons(F):

Pollutant(F):

S110302539

EDR ID Number

Process Rate Units(G): 1000 Gallons Emission Factor(G): 23.729700 Emission Factor Units(G): lbs/1000 Gallons Cal Method(G): AP4TH Emission Factor Source(G): Control Efficiency(G): Not reported 0.8780 Tons(G): Pollutant(G): VOC Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported

Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported

Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Not reported Control Efficiency(K): Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Process Rate Units(K):

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: MISC. GAS EQUIPMENT

Point: 40

Segment Description: MISC GAS EQUIPMENT

SCC: 20300301 Annual Process Rate: 39

Annual Process Rate: 39
Process Rate Units(A): 1000 Gallons

Emission Factor (A): 1000 Gallons
Emission Factor Units(A): 127.435900
Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

C

AP4TH

Not reported

2.4850

CO

Process Rate Units(B): 1000 Gallons
Emission Factor(B): 209.794900
Emission Factor Units(B): lbs/1000 Gallons

Cal Method(B):

Emission Factor Units(C): Ibs/1000 Gallons
Cal Method(C): C
Emission Factor Source(C): OTHER
Control Efficiency(C): Not reported
Tons(C): 0.2569
Pollutant(C): PM-CON
Process Rate Units(D): 1000 Gallons
Emission Factor(D): 12.871800

Emission Factor(D): 12.871800
Emission Factor Units(D): lbs/1000 Gallons
Cal Method(D): C

Emission Factor Source(D):

Control Efficiency(D):

Not reported
0.2510

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

DOTHER

Not reported
1.2510

PM10-FIL
1000 Gallons
13.176500

Ibs/1000 Gallons

Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Not reported

100.2569

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

DOTHER

Not reported

102569

PM25-FIL

1000 Gallons

5.384600

Emission Factor Units(F):

Ibs/1000 Gallons

Cal Method(F): C
Emission Factor Source(F): AP4TH
Control Efficiency(F): Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 Tons(F):
 0.1050

 Pollutant(F):
 SO2

 Process Rate Units(G):
 1000 Gallons

 Emission Factor(G):
 270.307700

 Emission Factor Units(G):
 lbs/1000 Gallons

Cal Method(G): AP4TH Emission Factor Source(G): Control Efficiency(G): Not reported 5.2710 Tons(G): Pollutant(G): VOC Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: #5 HDS CHARGE HEATER

Point: 41

Segment Description: H-9501 - REF GAS

 SCC:
 30600106

 Annual Process Rate:
 99

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 61.000000

 Emission Factor Units(A):
 lbs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 3.0195 Pollutant(A): CO Process Rate Units(B): **MMCF** 23.596000 Emission Factor(B): lbs/MMCF Emission Factor Units(B): Cal Method(B): С

 Emission Factor Source(B):
 INDR

 Control Efficiency(B):
 Not reported

 Tons(B):
 1.1680

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 Ibs/MMCF

 Cal Method(C):
 C

Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 0.2822 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor (E):

Emission Factor Units(E):

Cal Method(E):

AP4TH

Not reported

0.0941

PM10-FIL

MMCF

1.900000

Ibs/MMCF

Cal Method(E):

C

Emission Factor Source(E):

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

MP4TH
Not reported
Not reported
MMC5-FIL
MMCF
FMS5-FIL
MMCF

T.600000

Emission Factor Units(F):

Ibs/MMCF

Cal Method(F): C
Emission Factor Source(F): AP4TH
Control Efficiency(F): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

0.2723

CONOCOPHILLIPS COMPANY (Continued)

Tons(H):

S110302539

Tons(F): 0.3762 Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 1.313100 Emission Factor Units(G): lbs/MMCF Cal Method(G): Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.0650 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): **INDR** Control Efficiency(H): Not reported

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported

Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: #5 HDS REBOILER HEATER

Point: 42

Segment Description: H-9502 - REF GAS

 SCC:
 30600104

 Annual Process Rate:
 273

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 61.000000

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(B): C
Emission Factor Source(B): INDR

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

NO2

MMCF

5.700000

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor (D):

Control Efficiency(C):

Not reported 0.7781

Pollutant(C):

PM-CON

MMCF

Emission Factor(D):

1.900000

Emission Factor Units(D):

Ibs/MMCF

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP4TH

Not reported

Not reported

1.2594

PM10-FIL

MMCF

1.900000

Ibs/MMCF

Cal Method(E):

C

С

Cal Method(D):

Emission Factor Source(E):

Control Efficiency(E):

Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

Not reported
0.2594

PM25-FIL

PMCF

7.600000

Emission Factor Units(F):

Ibs/MMCF

Emission Factor Units(F): Ibs/MMCF
Cal Method(F): C
Emission Factor Source(F): AP4TH
Control Efficiency(F): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

0.7508

CONOCOPHILLIPS COMPANY (Continued)

Tons(H):

S110302539

EDR ID Number

Tons(F): 1.0374
Pollutant(F): PT
Process Rate Units(G): MMCF
Emission Factor(G): 1.311400
Emission Factor Units(G): Ibs/MMCF
Cal Method(G): C
Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.1790 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported

Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude:

Emission Factor Source(K):

Control Efficiency(K):

Airs Number: 111-0011
Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported
Mailing Address: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emissions Contact: Ashley Thorsen Not reported **Emissions Contact Phone:**

2011 Year Of Inventory:

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

#2 HYDROGEN PLANT HEATER Point Name:

Point:

Segment Description: H-9701 - NAT GAS, FUEL GAS

SCC: 30600106 Annual Process Rate: 417 Process Rate Units(A): MMCF Emission Factor(A): 8.738600 Emission Factor Units(A): lbs/MMCF Cal Method(A):

CEM Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 1.8220 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 22.095900 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 4.6070 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 1.1885 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

AP4TH Emission Factor Source(D): Control Efficiency(D): Not reported 0.3962 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E):

Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 0.3962 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF

Cal Method(F): C Emission Factor Source(F): AP4TH Control Efficiency(F): Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 1.5846 Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 0.600000 Emission Factor Units(G): lbs/MMCF Cal Method(G): Emission Factor Source(G): AP5TH Control Efficiency(G): Not reported 0.1251 Tons(G): Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 1.1468 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude:

Airs Number: 111-0011
Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported
Mailing Address: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: #2 HYDROGEN PLANT HEATER

Point: 43

Segment Description: H-9701 - PSA GAS

 SCC:
 30600106

 Annual Process Rate:
 2619

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 8.742300

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

CEM Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 11.4480 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 6.152000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

 Emission Factor Source(B):
 INDR

 Control Efficiency(B):
 Not reported

 Tons(B):
 8.0560

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 7.4642 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D):

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP4TH

Not reported

Not reported

1.4881

PM10-FIL

MMCF

1.900000

Ibs/MMCF

C

Emission Factor Source(E):

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

By AP4TH

Not reported

2.4881

PM25-FIL

MMCF

Emission Factor(F):

3.000000

Emission Factor Units(F):

Ibs/MMCF

Cal Method(F): C
Emission Factor Source(F): AP4TH
Control Efficiency(F): Not reported

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 $\begin{array}{llll} Tons(F): & 3.9285 \\ Pollutant(F): & PT \\ Process Rate Units(G): & MMCF \\ Emission Factor(G): & 0.000000 \\ Emission Factor Units(G): & lbs/MMCF \\ Cal Method(G): & C \\ Emission Factor Source(G): & MB \\ \end{array}$

Control Efficiency(G):

Not reported
Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Cal Method(H):

Emission Factor Source(H):

Not reported

0.00000

MMCF

0.000000

Ibs/MMCF

C

MB

Control Efficiency(H):

Not reported
0.0000

Pollutant(H):

VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: #2 HYDROGEN PLANT RELIEF VENT

Point: 44

Segment Description: RELIEF VENT - PSA GAS

 SCC:
 30600802

 Annual Process Rate:
 0

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 2617.111100

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 0

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

Process Rate Units(B):

O
INDR

Not reported

CO
Not reported

Emission Factor(B): Not reported Emission Factor Units(B): Not reported Not reported Cal Method(B): Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported

Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Not reported Tons(D): Pollutant(D): Not reported

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Tons(E):

Pollutant(E):

Not reported

Process Rate Units(E):

Process Rate Units(F):

Process Rate Units(F):

Emission Factor (F):

Cal Method(F):

Emission Factor Source(F):

Not reported

Direction Distance Elevation

ration Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Not reported

Not reported

Hughes, entered by D. Linkenbach 3/12.

Point Name: #1 HYDROGEN PLANT RELIEF VENT

Point: 45

Segment Description: RELIEF VENT - PSA GAS

 SCC:
 30600802

 Annual Process Rate:
 0

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 0.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 O

 Emission Factor Source(A):
 INDR

Emission Factor Source(A): INDR
Control Efficiency(A): Not reported
Tons(A): 1.0010
Pollutant(A): CO
Process Rate Units(B): Not reported

Emission Factor(B): Not reported Emission Factor Units(B): Not reported Not reported Cal Method(B): Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported

Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Not reported Tons(D): Pollutant(D): Not reported Process Rate Units(E): Not reported

Tons(C):

Emission Factor(E):

Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported

Emission Factor Source(F): Not reported Control Efficiency(F): Not reported

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: Ashley Thorsen
Emissions Contact Phone: Not reported

Year Of Inventory: 2011

Spt Type/Emissions: CO 370.0750 NO2 529.5242 PM-CON 59.5534 PM10-FIL 47.8283 PM25-FIL 30.0242 PT 105

Plant Comment: 2011 automated inventory roll-forward as of 12-19-201. Updated by J.

Hughes, entered by D. Linkenbach 3/12.

Point Name: TEMPORARY BOILER

Point: 46

Segment Description: NATURAL FUEL GAS

SCC: 10200602

Annual Process Rate:

Process Rate Units(A):

Emission Factor(A):

Emission Factor Units(A):

Cal Method(A):

O

MMCF

84.000000

Ibs/MMCF

C

Emission Factor Source(A):

Control Efficiency(A):

Not reported

0.0000

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

MP5TH

Not reported

0.0000

MMCF

190.000000

Ibs/MMCF

С

Cal Method(B):

Emission Factor Source(B):INDRControl Efficiency(B):Not reportedTons(B):0.0000Pollutant(B):NO2Process Rate Units(C):MMCFEmission Factor(C):5.700000

Emission Factor (C):

Emission Factor Units(C):

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Not reported

 Tons(C):
 0.0000

 Pollutant(C):
 PM-CON

 Process Rate Units(D):
 MMCF

 Emission Factor(D):
 1.900000

 Emission Factor Units(D):
 lbs/MMCF

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF

Cal Method(E): CEmission Factor Source(E):

Emission Factor Source(E):

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

MP5TH

Not reported

0.0000

MMCF

FM25-FIL

MMCF

7.600000

Emission Factor Units(F):

Ibs/MMCF

Cal Method(F):

Emission Factor Source(F):

Control Efficiency(F):

Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

0.0000

CONOCOPHILLIPS COMPANY (Continued)

Tons(F):

S110302539

EDR ID Number

Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 0.600000 Emission Factor Units(G): lbs/MMCF Cal Method(G): Emission Factor Source(G): AP5TH Control Efficiency(G): Not reported Tons(G): 0.0000 Pollutant(G): SO2 **MMCF** Process Rate Units(H): 5.500000 Emission Factor(H): lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 0.0000 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

FOUR BOILERS

Point:

Point Name:

Segment Description: 4 BOILERS-PROCESS GAS

 SCC:
 10200701

 Annual Process Rate:
 1397

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.338500

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A):

Control Efficiency(A):

Not reported

Tons(A):

Pollutant(A):

SO2

Process Rate Units(B): MMCF
Emission Factor(B): 4.346700
Emission Factor Units(B): lbs/MMCF
Cal Method(B): C
Emission Factor Source(B): AP4TH

Control Efficiency(B):

Not reported
3.0362

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Not reported
MMCF

PT

MMCF

4.346700

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

C

AP5TH

Not reported

3.0362

PM10

PM10

MMCF

Emission Factor(D):

5.500000

Emission Factor Units(D): Ibs/MMCF
Cal Method(D): C
Emission Factor Source(D): AP5TH
Control Efficiency(D): Not reported
Tons(D): 3.8418
Pollutant(D): VOC
Process Rate Units(E): MMCF

Emission Factor (E): 50.000000
Emission Factor Units(E): Ibs/MMCF
Cal Method(E): C
Emission Factor Source(E): CEM

Control Efficiency(E):
Not reported
Tons(E):
34.9250
Pollutant(E):
CO
Process Rate Units(F):
MMCF
Emission Factor(F):
231.989700
Emission Factor Units(F):
Ibs/MMCF

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Cal Method(F): С CEM Emission Factor Source(F): Control Efficiency(F): Not reported Tons(F): 162.0448 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Not reported Control Efficiency(J): Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: COKER HEATER

Point: Segment Description: H-3901 SCC: 30600106 Annual Process Rate: 819 Process Rate Units(A): **MMCF** Emission Factor(A): 45.199000 lbs/MMCF Emission Factor Units(A): Cal Method(A): С Emission Factor Source(A): STD 50.0000

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor (B):

Emission Factor Units(B):

Cal Method(B):

Emission Factor Source(B):

MB

STD

50.0000

18.5090

NO2

MMCF

MMCF

1.338500

Ibs/MMCF

Cal Method(B):

C

Emission Factor Source(B):

MB

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Cal Method(C):

Not reported
MMCF

SO2

MMCF

5.500000

Ibs/MMCF

C

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 2.2523 Pollutant(C): VOC Process Rate Units(D): MMCF Emission Factor(D): 7.600000 lbs/MMCF Emission Factor Units(D): Cal Method(D): C

Emission Factor Source(D):

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

MP5TH

Not reported

3.1122

PM10

PM10

PMCF

Emission Factor(E):

7.600000

Emission Factor Units(E):

Ibs/MMCF

 Cal Method(E):
 C

 Emission Factor Source(E):
 AP5TH

 Control Efficiency(E):
 Not reported

 Tons(E):
 3.1122

 Pollutant(E):
 PT

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(F): **MMCF** 84.000000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported 34.3980 Tons(F): Pollutant(F): CO Process Rate Units(G): Not reported Emission Factor(G): Not reported

Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported

Airs Number: 111-0011
Latitude: 45.780642
Longitude: -108.48906

Not reported

Emission Factor Units(K):

Emission Factor Source(K):

Control Efficiency(K):

UNIQUE IDENTIFIER:

PRIMARY KEY FOR SITE:

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR PERMITTEE:

Cal Method(K):

Tons(K):

Pollutant(K):

SITE ID SIC:

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #11

Point: 8

Segment Description: HEATER #11 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 329

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.338500

Emission Factor Units(A): Ibs/MMCF
Cal Method(A): C

Emission Factor Source(A): MB

Control Efficiency(A):
Not reported
Tons(A):
0.2202
Pollutant(A):
SO2
Process Rate Units(B):
MMCF
Emission Factor(B):
5.500000
Emission Factor Units(B):
Ibs/MMCF

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

CAP5TH

Not reported

Not reported

VOC

MMCF

MMCF

7.600000

lbs/MMCF Emission Factor Units(C): Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 1.2502 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 Emission Factor Units(D): lbs/MMCF Cal Method(D):

 Emission Factor Source(D):
 AP5TH

 Control Efficiency(D):
 Not reported

 Tons(D):
 1.2502

 Pollutant(D):
 PT

 Process Rate Units(E):
 MMCF

 Emission Factor(E):
 84.000000

 Emission Factor Units(E):
 lbs/MMCF

Cal Method(E): C
Emission Factor Source(E): AP5TH

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(E): Not reported Tons(E): 13.8180 Pollutant(E): CO Process Rate Units(F): **MMCF** 100.000000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): C Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 16.4500 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #12

Point: 9

Segment Description: 00524 #12 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 550

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.338500

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

 Emission Factor Source(A):
 MB

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

Not reported
MMCF

SO2

MMCF

5.500000

Ibs/MMCF

C

Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 1.5125 Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 7.600000 Emission Factor Units(C): lbs/MMCF Cal Method(C): С

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 2.0900 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 2.0900 Pollutant(D): PT Process Rate Units(E): **MMCF**

84.000000

Emission Factor(E):

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 23.1000 Pollutant(E): CO Process Rate Units(F): MMCF Emission Factor(F): 100.000000 Emission Factor Units(F): lbs/MMCF Cal Method(F): AP5TH Emission Factor Source(F): Control Efficiency(F): Not reported 27.5000 Tons(F): Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993
JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT
BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE
INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #5

Point:

Segment Description: HEATER#5 - (FUEL) GAS

SCC: 30600104

Annual Process Rate: 22

Process Rate Units(A): MMCF

Emission Factor(A): 1.338500

Emission Factor Units(A): lbs/MMCF

Cal Method(A): C
Emission Factor Source(A): MB
Control Efficiency(A): Not

Control Efficiency(A):
Not reported
Tons(A):
0.0147
Pollutant(A):
SO2
Process Rate Units(B):
Emission Factor(B):
Emission Factor Units(B):
Cal Method(B):
Not reported
MMCF
SO2
Ibs/MMCF
S.500000
Ibs/MMCF
Cal Method(B):
C

 Emission Factor Source(B):
 AP5TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 0.0605

 Pollutant(B):
 VOC

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 7.600000

 Emission Factor Units(C):
 Ibs/MMCF

 Cal Method(C):
 C

 Emission Factor Source(C):
 AP5TH

 Control Efficiency(C):
 Not reported

 Tons(C):
 0.0836

 Pollutant(C):
 PM10

 Process Rate Units(D):
 MMCF

 Emission Factor(D):
 7.600000

 Emission Factor Units(D):
 Ibs/MMCF

 Cal Method(D):
 C

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

AP5TH

Not reported

0.0836

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(D): PT **MMCF** Process Rate Units(E): Emission Factor(E): 84.000000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.9240 Pollutant(E): CO MMCF Process Rate Units(F): 100.000000 Emission Factor(F): lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 1.1000 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

SITE ID SIC:

UNIQUE IDENTIFIER:

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR SITE:

PRIMARY KEY FOR PERMITTEE:

Not reported

Not reported

Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE
COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

HEATER #13

Point: 10

Point Name:

Segment Description: HEATER #13 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 97

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.338500

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A):

C

MB

Control Efficiency(A):
Not reported
Tons(A):
0.0649
Pollutant(A):
SO2
Process Rate Units(B):
MMCF
Emission Factor(B):
5.500000
Emission Factor Units(B):
Ibs/MMCF

Cal Method(B): C Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.2668 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.600000 Emission Factor Units(C): lbs/MMCF Cal Method(C): C Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.3686 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000

Emission Factor Units(D): lbs/MMCF Cal Method(D): C

Distance Elevation Site

Site Database(s)

Not reported

Not reported Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor Source(D): AP5TH Not reported Control Efficiency(D): 0.3686 Tons(D): Pollutant(D): PT **MMCF** Process Rate Units(E): Emission Factor(E): 84.000000 lbs/MMCF Emission Factor Units(E): Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 4.0740 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.000000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 4.8500 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported

Emission Factor(K):

Cal Method(K):

Emission Factor Units(K):

Emission Factor Source(K):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported Not reported PRIMARY KEY FOR SITE: PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE

INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #10

Point:

Segment Description: HEATER #10 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 136

Process Rate Units(A): MMCF
Emission Factor(A): 1.338500
Emission Factor Units(A): lbs/MMCF

Cal Method(A): C
Emission Factor Source(A): MB
Control Efficiency(A): Not r

Control Efficiency(A):
Not reported
Tons(A):
0.0910
Pollutant(A):
SO2
Process Rate Units(B):
MMCF
Emission Factor(B):
5.500000
Emission Factor Units(B):
Ibs/MMCF

Cal Method(B): C Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.3740 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.600000 lbs/MMCF Emission Factor Units(C):

Cal Method(C):
Ci Emission Factor Source(C):
Control Efficiency(C):
Tons(C):
Pollutant(C):
Process Rate Units(D):

Distribution

AP5TH
Not reported
0.5168
PM10
PM10
PM0CF

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(D): 7.600000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.5168 Pollutant(D): PT Process Rate Units(E): MMCF Emission Factor(E): 84.000000 lbs/MMCF Emission Factor Units(E): Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 5.7120 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.000000 lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 6.8000 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Not reported Control Efficiency(J): Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: FOUR BOILERS

Point:

Segment Description: 4 BOILERS-OIL FUEL

 SCC:
 10200401

 Annual Process Rate:
 834

Process Rate Units(A): 1000 Gallons
Emission Factor(A): 0.080000
Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Not reported

Tons(A):

Pollutant(A):

Process Rate Units(B):

Control Efficiency(A):

Not reported

Not reported

Not reported

10034

NH3

Process Rate Units(B): 1000 Gallons
Emission Factor(B): 0.760000
Emission Factor Units(B): lbs/1000 Gallons

Cal Method(B): C
Emission Factor Source(B): AP5TH

Control Efficiency(B):

Not reported
Tons(B):

O.3169

Process Pate Units(C):

1000 College

Process Rate Units(C): 1000 Gallons
Emission Factor(C): 30.064300
Emission Factor Units(C): lbs/1000 Gallons

Cal Method(C): C
Emission Factor Source(C): AP5TH
Control Efficiency(C): Not reported

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 Tons(C):
 12.5368

 Pollutant(C):
 PM10

 Process Rate Units(D):
 1000 Gallons

 Emission Factor(D):
 30.064300

 Emission Factor Units(D):
 lbs/1000 Gallons

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

C AP5TH

Not reported

12.5368

PM2.5

PM2.5

1000 Gallons

Emission Factor(E):

30.064300

Emission Factor Units(E):

Ibs/1000 Gallons

 Cal Method(E):
 C

 Emission Factor Source(E):
 AP5TH

 Control Efficiency(E):
 Not reported

 Tons(E):
 12.5368

 Pollutant(E):
 PT

Process Rate Units(F): 1000 Gallons
Emission Factor(F): 35.546800
Emission Factor Units(F): lbs/1000 Gallons

С

Cal Method(F):

Emission Factor Source(F):

Control Efficiency(F):

Not reported
14.8230

Pollutant(F):

CO

Process Rate Units(G): 1000 Gallons
Emission Factor(G): 122.506100
Emission Factor Units(G): lbs/1000 Gallons

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Tons(G):

Pollutant(G):

So2

Process Rate Unite(U):

1000 Calless

Process Rate Units(H): 1000 Gallons
Emission Factor(H): 129.108500
Emission Factor Units(H): lbs/1000 Gallons

Cal Method(H):

Emission Factor Source(H):

Control Efficiency(H):

Tons(H):

Pollutant(H):

Process Rate Units(I):

C
INDR

Not reported

No2

No2

Not reported

Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Not reported Emission Factor Units(J): Cal Method(J): Not reported

Cal Method(J):

Emission Factor Source(J):

Control Efficiency(J):

Not reported

Not reported

Not reported

Not reported

Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(J): Not reported Not reported Process Rate Units(K): Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #1

Point:

Segment Description: HEATER #1 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 164

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.338500

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Cal Method(A): C
Emission Factor Source(A): MB

Control Efficiency(A): Not reported Tons(A): 0.1098 Pollutant(A): SO₂ Process Rate Units(B): **MMCF** Emission Factor(B): 1.480000 Emission Factor Units(B): lbs/MMCF Cal Method(B): C Emission Factor Source(B): STD

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Not reported
MCF

Solution
MMCF

Solution
MMCF

Ibs/MMCF

MAP FINDINGS Map ID Direction

Distance Elevation

Site Database(s) **EPA ID Number**

Not reported

S110302539

EDR ID Number

CONOCOPHILLIPS COMPANY (Continued) Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.4510 Pollutant(C): VOC Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.6232 Pollutant(D): PM10 Process Rate Units(E): **MMCF** 7.600000 Emission Factor(E): Emission Factor Units(E): lbs/MMCF Cal Method(E): AP5TH Emission Factor Source(E): Control Efficiency(E): Not reported Tons(E): 0.6232 Pollutant(E): PT MMCF Process Rate Units(F): Emission Factor(F): 15.548100 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): STD Control Efficiency(F): Not reported Tons(F): 1.2749 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported

Tons(H): Pollutant(H):

Tons(I):

Pollutant(I):

Process Rate Units(I):

Emission Factor Units(I):

Emission Factor Source(I):

Emission Factor(I):

Control Efficiency(I):

Process Rate Units(J):

Emission Factor Units(J):

Emission Factor(J):

Cal Method(J):

Cal Method(I):

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MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Not reported Emission Factor Units(K): Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES. ENTERED BY D. LINKENBACH 3/10, 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #17

Point:

Segment Description: HEATER #17 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 292 Process Rate Units(A): MMCF Emission Factor(A): 1.338500 lbs/MMCF Emission Factor Units(A): Cal Method(A): С Emission Factor Source(A): MB

Control Efficiency(A): Not reported Tons(A): 0.1954 Pollutant(A): SO2 Process Rate Units(B): MMCF Emission Factor(B): 5.500000 Emission Factor Units(B): lbs/MMCF Cal Method(B):

Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.8030 Pollutant(B): VOC

Distance Elevation Site

Site Database(s)

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Process Rate Units(C): **MMCF** 7.600000 Emission Factor(C): Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 1.1096 Pollutant(C): PM10 Process Rate Units(D): MMCF Emission Factor(D): 7.600000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 1.1096 Pollutant(D): PT Process Rate Units(E): **MMCF** 84.000000 Emission Factor(E): Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported 12.2640 Tons(E): Pollutant(E): CO Process Rate Units(F): MMCF Emission Factor(F): 100.000000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С AP5TH Emission Factor Source(F): Control Efficiency(F): Not reported 14.6000 Tons(F): Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Not reported Emission Factor Units(G): Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Not reported Emission Factor Source(H):

Control Efficiency(H):

Process Rate Units(I):

Emission Factor Units(I):

Emission Factor Source(I):

Emission Factor(I):

Control Efficiency(I):

Process Rate Units(J):

Tons(H):

Pollutant(H):

Cal Method(I):

Tons(I):

Pollutant(I):

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor(J): Not reported Not reported Emission Factor Units(J): Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: Longitude: -108.48906

CONOCOPHILLIPS COMPANY Mailing Company: Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #20

Point: 17

Segment Description: HEATER #20 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 14 MMCF Process Rate Units(A): Emission Factor(A): 1.338500 Emission Factor Units(A): lbs/MMCF С

Cal Method(A):

Emission Factor Source(A): MB

Control Efficiency(A): Not reported Tons(A): 0.0094 Pollutant(A): SO2 Process Rate Units(B): **MMCF** 5.500000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF Cal Method(B):

Emission Factor Source(B): AP5TH

Distance Elevation

n Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(B): Not reported 0.0385 Tons(B): Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 7.600000 Emission Factor Units(C): lbs/MMCF Cal Method(C): C Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0532 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0532 Pollutant(D): Process Rate Units(E): **MMCF** 84.000000 Emission Factor(E): lbs/MMCF Emission Factor Units(E): Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.5880 Pollutant(E): CO Process Rate Units(F): **MMCF** 100.000000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.7000 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Not reported Process Rate Units(H): Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Cal Method(I): Not reported

Emission Factor Source(I):

Control Efficiency(I):

Not reported

Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude: 45.780642

Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN (406) 255-2626 **Emissions Contact Phone:**

Year Of Inventory: 2009

CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10 Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #19

Point: 16

HEATER #19 - (FUEL) GAS Segment Description:

30600104 SCC:

Annual Process Rate: Process Rate Units(A): **MMCF** Emission Factor(A): 1.338500 Emission Factor Units(A): lbs/MMCF Cal Method(A): C Emission Factor Source(A): MB

Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): SO₂ Process Rate Units(B): **MMCF** Emission Factor(B): 5.500000

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.600000 Emission Factor Units(C): lbs/MMCF Cal Method(C): AP5TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Not reported Control Efficiency(D): Tons(D): 0.0000 Pollutant(D): PT Process Rate Units(E): **MMCF** Emission Factor(E): 84.000000 lbs/MMCF Emission Factor Units(E): Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported 0.0000 Tons(E): Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.000000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Not reported Control Efficiency(F): 0.0000 Tons(F): Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported

> Not reported Not reported

> Not reported

Not reported

Not reported

Not reported

Control Efficiency(H):

Process Rate Units(I):

Emission Factor Units(I):

Emission Factor(I):

Tons(H): Pollutant(H):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported Not reported PRIMARY KEY FOR PERMITTEE:

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #21

Point: 18

Segment Description: HEATER #21 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 354

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.338500

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

 Emission Factor Source(A):
 MB

Control Efficiency(A): Not reported Tons(A): 0.2369

Distance Elevation Site

Database(s)

Not reported Not reported

Not reported

Not reported

Not reported

Not reported

S110302539

EDR ID Number

EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

Pollutant(A): SO₂ Process Rate Units(B): **MMCF** Emission Factor(B): 5.500000 Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.9735 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.600000 lbs/MMCF Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 1.3452 Pollutant(C): PM10 Process Rate Units(D): MMCF Emission Factor(D): 7.600000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 1.3452 Pollutant(D): PT Process Rate Units(E): **MMCF** Emission Factor(E): 84.000000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 14.8680 Pollutant(E): CO Process Rate Units(F): **MMCF** 100.000000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported 17.7000 Tons(F): Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Not reported Emission Factor Units(G): Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported

Emission Factor Units(H):

Emission Factor Source(H):

Control Efficiency(H):

Cal Method(H):

Tons(H):

Pollutant(H):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE
COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #23

Point: 20

Segment Description: HEATER #23 - (FUEL) GAS

SCC: 30600104
Annual Process Rate: 210
Process Rate Units(A): MMCF
Emission Factor(A): 1.338500
Emission Factor Units(A): lbs/MMCF

Cal Method(A):

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(A):

MB

Control Efficiency(A):
Not reported
Tons(A):
Pollutant(A):
SO2
Process Rate Units(B):
Emission Factor(B):
Emission Factor Units(B):
Cal Method(B):
Not reported
MMCF
SO2
MMCF
Emission Factor Units(B):
Lbs/MMCF
C

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor (C):

MMCF

Tonsource(B):

AP5TH

Not reported

0.5775

VOC

MMCF

Frocess Rate Units(C):

Emission Factor (C):

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.7980 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 Emission Factor Units(D): lbs/MMCF Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor (E):

Emission Factor Units(E):

Cal Method(E):

AP5TH

Not reported

Not reported

Not reported

NACF

PT

PT

84.000000

By/MMCF

Cal Method(E):

C

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 8.8200 Pollutant(E): CO Process Rate Units(F): **MMCF** 100.000000 Emission Factor(F): lbs/MMCF Emission Factor Units(F): Cal Method(F): С

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Process Rate Units(G):

AP5TH

Not reported

10.5000

NO2

Not reported

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: -108.48906 Longitude:

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10 Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401. RECYCLE HYDROGEN FURNACE

INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #2

Point:

Segment Description: HEATER #2 - (FUEL) GAS

SCC: 30600104 Annual Process Rate:

Process Rate Units(A): **MMCF**

Elevation Site

Distance

Cite Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(A):

Emission Factor Units(A):

Cal Method(A):

Emission Factor Source(A):

MB

Control Efficiency(A):
Not reported
Tons(A):
0.0000
Pollutant(A):
Process Rate Units(B):
MMCF
Emission Factor(B):
Emission Factor Units(B):

Emission Factor

Cal Method(B): С AP5TH Emission Factor Source(B): Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.600000 Emission Factor Units(C): lbs/MMCF

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

MMCF

Emission Factor Units(D):

Ms/MMCF

Ms/MMCF

Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0000 Pollutant(D): PT Process Rate Units(E): MMCF Emission Factor(E): 84.000000 Emission Factor Units(E): lbs/MMCF

Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.000000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С AP5TH Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Process Rate Units(G):

Emission Factor(G):

Not reported

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Not reported Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE
COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #4

Point: 4

Segment Description: HEATER #4 - (FUEL) GAS

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 SCC:
 30600104

 Annual Process Rate:
 0

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.406700

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

 Emission Factor Source(A):
 MB

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

Emission Factor Source(B):

Not reported

MMCF

SO2

MMCF

5.500000

Ibs/MMCF

C

Emission Factor Source(B):

AP5TH

Control Efficiency(B): Not reported 0.0000 Tons(B): Pollutant(B): VOC Process Rate Units(C): MMCF 7.600000 Emission Factor(C): Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): AP5TH

 Emission Factor Source(C):
 AP5TH

 Control Efficiency(C):
 Not reported

 Tons(C):
 0.0000

 Pollutant(C):
 PM10

 Process Rate Units(D):
 MMCF

 Emission Factor(D):
 7.600000

 Emission Factor Units(D):
 Ibs/MMCF

 Cal Method(D):
 C

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP5TH

Not reported

0.0000

PT

PT

MMCF

84.000000

Ibs/MMCF

C

 Emission Factor Source(E):
 AP5TH

 Control Efficiency(E):
 Not reported

 Tons(E):
 0.0000

 Pollutant(E):
 CO

 Process Rate Units(F):
 MMCF

 Emission Factor(F):
 100.000000

 Emission Factor Units(F):
 Ibs/MMCF

 Cal Method(F):
 C

Emission Factor Source(F):

Control Efficiency(F):

Not reported
0.0000

Pollutant(F):

NO2

Process Rate Units(G):

Emission Factor(G):

Emission Factor Units(G):

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Tons(G):

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN (406) 255-2626 **Emissions Contact Phone:**

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401. RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Distance Elevation

ration Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Point Name: HEATER #24

Point: 21

Segment Description: HEATER #24 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 833

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 0.9214

 Emission Factor Units(A):
 lbs/MMCF

 Cal Method(A):
 C

Cal Method(A): C
Emission Factor Source(A): MB

Control Efficiency(A):
Not reported
Tons(A):
0.3838
Pollutant(A):
SO2
Process Rate Units(B):
MMCF
Emission Factor(B):
5.5000
Emission Factor Units(B):
Ibs/MMCF

Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported 2.2908 Tons(B): Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 7.6000 Emission Factor Units(C): lbs/MMCF Cal Method(C): С

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

Cal Method(D):

AP5TH

Not reported

Not reported

Not reported

7.664

PM10

PM10

FMCF

7.6000

Ibs/MMCF

Cal Method(D):

C

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Not reported
3.1654

PT

PT

PT

BMCF

B4.0000

Emission Factor Units(E):

B8/MMCF

Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported 34.9860 Tons(E): Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 Emission Factor Units(F): lbs/MMCF

Cal Method(F):

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Process Rate Units(G):

C

AP5TH

Not reported

41.6500

NO2

Not reported

 Emission Factor(G):
 Not reported

 Emission Factor Units(G):
 Not reported

 Cal Method(G):
 Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

Point Name:

S110302539

EDR ID Number

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

FCC UNIT

Point: 22

Segment Description: FCC UNIT SCC: 30600201
Annual Process Rate: 6304
Process Rate Units(A): 1000 Barrels

Emission Factor (A): 1000 Barrels

Emission Factor Units(A): 11.6846

Emission Factor Units(A): 1b/1000 bbl

 Cal Method(A):
 C

 Emission Factor Source(A):
 CEM

 Control Efficiency(A):
 50.0000

 Tons(A):
 36.8299

 Pollutant(A):
 SO2

Process Rate Units(B): 1000 Barrels
Emission Factor(B): 15.9580
Emission Factor Units(B): lb/1000 bbl

 Cal Method(B):
 C

 Emission Factor Source(B):
 STD

 Control Efficiency(B):
 95.5000

 Tons(B):
 50.2996

 Pollutant(B):
 PT

Process Rate Units(C): 1000 Barrels
Emission Factor(C): 0.0005
Emission Factor Units(C): lb/1000 bbl

 Cal Method(C):
 C

 Emission Factor Source(C):
 INDR

 Control Efficiency(C):
 99.9000

 Tons(C):
 0.0016

 Pollutant(C):
 VOC

Process Rate Units(D): 1000 Barrels
Emission Factor(D): 5.1409
Emission Factor Units(D): Ib/1000 bbl
Cal Method(D): C

 Cal Method(D):
 C

 Emission Factor Source(D):
 CEM

 Control Efficiency(D):
 99.9000

 Tons(D):
 16.2041

 Pollutant(D):
 CO

Process Rate Units(E): 1000 Barrels
Emission Factor(E): 13.5060
Emission Factor Units(E): lb/1000 bbl

Cal Method(E): C
Emission Factor Source(E): STD

Control Efficiency(E): Not reported Tons(E): 42.5709 Pollutant(E): PM10 Process Rate Units(F): 1000 Barrels Emission Factor(F): 14.9321 lb/1000 bbl Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): CEM Control Efficiency(F): Not reported

Tons(F): 47.0660

Pollutant(F): NO2

Process Rate Units(G): Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Not reported Pollutant(G): Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported Not reported SITE ID SIC: UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment:

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

BI ENDING LINIT INSTALLED 8/18/94H-8401, PECYCLE HYDROGEN ELIRNACE

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #18

Point: 15

Segment Description: HEATER #18 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 273

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.338500

Emission Factor Units(A): lbs/MMCF
Cal Method(A): C
Emission Factor Source(A): MB

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor (B):

Emission Factor Units(B):

Not reported
MMCF

SO2

MMCF

5.500000

Ibs/MMCF

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Not reported

0.7508

VOC

MMCF

7.600000

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor (D):

MMCF

Tons(C):

PM10

MMCF

Tonscond MMCF

Tons

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 1.0374 Tons(D): Pollutant(D): PT Process Rate Units(E): **MMCF** Emission Factor(E): 84.000000 Emission Factor Units(E): lbs/MMCF Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Not reported

11.4660

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

MMCF

Emission Factor(F):

MMCF

Emission Factor(F):

MMCF

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 13.6500 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Not reported Control Efficiency(K): Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Distance Elevation

ation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #14

Point:

Segment Description: HEATER #14 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 112

 Process Rate Units(A):
 MMCF

 Emission Factor (A):
 1.338500

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A): MB

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

Not reported
MMCF

SO2

MMCF

5.500000

Ibs/MMCF

C

 Cal Method(B):
 C

 Emission Factor Source(B):
 AP5TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 0.3080

 Pollutant(B):
 VOC

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 7.600000

 Emission Factor Units(C):
 Ibs/MMCF

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor (D):

Control Efficiency(C):

Not reported
0.4256
PM10
PM10
PMCF
PM10
Process Rate Units(D):

Emission Factor (D):

Emission Factor Units(D):

Ibs/MMCF

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

C

AP5TH

Not reported

0.4256

PH

PT

PT

PMMCF

84.000000

By/MMCF

Emission Factor Units(E): Ibs/MMCF
Cal Method(E): C
Emission Factor Source(E): AP5TH
Control Efficiency(E): Not reported
Tons(E): 4.7040
Pollutant(E): CO
Process Rate Units(F): MMCF
Emission Factor(F): 100.000000

lbs/MMCF

Emission Factor Units(F):

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Cal Method(F): С AP5TH Emission Factor Source(F): Control Efficiency(F): Not reported Tons(F): 5.6000 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Not reported Control Efficiency(J): Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: Longitude: -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS**

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #15

Point: 1

Segment Description: HEATER #15 - (FUEL) GAS

SCC: 30600104

Annual Process Rate: 6
Process Rate Units(A): MMCF
Emission Factor(A): 1.338500
Emission Factor Units(A): Ibs/MMCF
Cal Method(A): C

Emission Factor Source(A): MB

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

Not reported

MMCF

500000

Image: Solution of the control of the

Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.0165 Pollutant(B): VOC Process Rate Units(C): **MMCF** 7.600000 Emission Factor(C): Emission Factor Units(C): lbs/MMCF Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor(D):

Col Mathed(D):

AP5TH

Not reported

0.0228

PM10

PM00

MMCF

7.600000

Ibs/MMCF

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(F):

MMCF

Process Rate Units(E): MMCF
Emission Factor(E): 84.000000
Emission Factor Units(E): lbs/MMCF
Cal Method(E): C

Emission Factor Source(E):

Control Efficiency(E):

Tons(E):

Pollutant(E):

AP5TH

Not reported

0.2520

CO

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(F): **MMCF** 100.000000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported 0.3000 Tons(F): Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011

Latitude: Longitude: 45.780642

-108.48906

Direction
Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #16

Point:

Segment Description: HEATER #16 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 171

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.338500

Emission Factor Units(A): lbs/MMCF Cal Method(A): C

Emission Factor Source(A):

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

SO2

Process Pate Units/B):

MMCE

Pollutant(A): SO2
Process Rate Units(B): MMCF
Emission Factor(B): 5.500000
Emission Factor Units(B): Ibs/MMCF
Cal Method(B): C

Emission Factor Source(B):

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

MP5TH

Not reported

Not reported

Not reported

10.4703

VOC

MMCF

Fmission Factor(C):

Fn.600000

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.6498 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 Emission Factor Units(D): lbs/MMCF Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP5TH

Not reported

Not reported

Not reported

84.98

PT

PT

BMCF

84.000000

Bission Factor Units(E):

Cal Method(E):

Control District Not reported

Ibs/MMCF

Emission Factor Source(E): AP4TH

Distance Elevation

on Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(E): Not reported Tons(E): 7.1820 Pollutant(E): CO Process Rate Units(F): MMCF 100.000000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): C Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 8.5500 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #5 HDS REBOILER HEATER

Point: 42

Segment Description: H-9502 - REF GAS

 SCC:
 30600104

 Annual Process Rate:
 219

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.338500

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

 Emission Factor Source(A):
 MB

Control Efficiency(A):
Not reported
Tons(A):
0.1466
Pollutant(A):
SO2
Process Rate Units(B):
Emission Factor(B):
Emission Factor Units(B):
Cal Method(B):
Not reported
MMCF
SO2
Ibs/MMCF
S.500000
Ibs/MMCF
C

Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.6023 Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 7.600000 Emission Factor Units(C): lbs/MMCF Cal Method(C): С

AP4TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 0.8322 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 0.8322 Pollutant(D): PT Process Rate Units(E): **MMCF**

19.214600

Emission Factor(E):

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported Tons(E): 2.1040 Pollutant(E): NO₂ Process Rate Units(F): MMCF Emission Factor(F): 61.000000 Emission Factor Units(F): lbs/MMCF Cal Method(F): AP5TH Emission Factor Source(F): Control Efficiency(F): Not reported Tons(F): 6.6795 Pollutant(F): CO Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported

Not reported

Not reported

Not reported

SITE ID SIC:

UNIQUE IDENTIFIER:

SEGMENT/POLLUTANT COMMENT:

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993
JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT
BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE
INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #2 HYDROGEN PLANT HEATER

Point:

Segment Description: H-9701 - NAT GAS, FUEL GAS

 SCC:
 30600106

 Annual Process Rate:
 441

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 0.600000

 Emission Factor Units(A):
 lbs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A):

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

AP5TH

Not reported

Not reported

5.102

MMCF

5.500000

Ibs/MMCF

Cal Method(B):

C

Emission Factor Source(B):

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Cal Method(C):

AP5TH

Not reported

Not reported

1.2128

VOC

MMCF

7.600000

Ibs/MMCF

 Emission Factor Source(C):
 AP4TH

 Control Efficiency(C):
 Not reported

 Tons(C):
 1.6758

 Pollutant(C):
 PM10

 Process Rate Units(D):
 MMCF

 Emission Factor(D):
 7.600000

 Emission Factor Units(D):
 lbs/MMCF

 Cal Method(D):
 C

Emission Factor Source(D): AP4TH
Control Efficiency(D): Not reported
Tons(D): 1.6758

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(D): PT MMCF Process Rate Units(E): Emission Factor(E): 9.165500 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): CEM Control Efficiency(E): Not reported Tons(E): 2.0210 Pollutant(E): CO MMCF Process Rate Units(F): 22.181400 Emission Factor(F): lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): **INDR** Control Efficiency(F): Not reported Tons(F): 4.8910 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported

Not reported

Not reported

Tons(K):

Pollutant(K):

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

CONOCOPHILLIPS COMPANY Mailing Company: Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

2009 Year Of Inventory:

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE Plant Comment: COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401. RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #2 HYDROGEN PLANT HEATER

Point: 43

Segment Description: H-9701 - PSA GAS

SCC: 30600106 Annual Process Rate: 2453 Process Rate Units(A): **MMCF** Emission Factor(A): 0.000000 Emission Factor Units(A): lbs/MMCF

Cal Method(A): Emission Factor Source(A): MB

Control Efficiency(A): Not reported 0.0000 Tons(A): Pollutant(A): SO2 Process Rate Units(B): **MMCF** 0.000000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF

Cal Method(B): С Emission Factor Source(B): MB

Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 2.297500 Emission Factor Units(C): lbs/MMCF Cal Method(C): C Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 2.8179 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 2.297500 Emission Factor Units(D): lbs/MMCF

Cal Method(D): С

MAP FINDINGS Map ID Direction

Distance Elevation Site

EDR ID Number Database(s) **EPA ID Number**

S110302539

CONOCOPHILLIPS COMPANY (Continued) Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 2.8179 Pollutant(D): PT MMCF Process Rate Units(E): Emission Factor(E): 6.454100 lbs/MMCF Emission Factor Units(E): Cal Method(E): Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported Tons(E): 7.9160 Pollutant(E): NO₂ Process Rate Units(F): MMCF Emission Factor(F): 9.171600 lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): CEM Control Efficiency(F): Not reported Tons(F): 11.2490 Pollutant(F): CO Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported

Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K):

Not reported

Not reported

Not reported

Emission Factor(I):

Emission Factor Units(I):

Emission Factor Source(K):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported Not reported PRIMARY KEY FOR SITE: PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: JUPITER MAIN STACK

Point: 28

Segment Description: ELEMENTAL SULFUR RECOVERY

SCC: 30103299

Annual Process Rate: 26206

Process Rate Units(A): Tons (Long)

Emission Factor (A):

0.000000

Emission Factor Units(A):

lbs/Ton (Long)

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Not reported

Tons(A):

Pollutant(A):

CO

Presence Pate Units(P):

Tons (Learn)

Process Rate Units(B): Tons (Long)
Emission Factor(B): 0.000000
Emission Factor Units(B): lbs/Ton (Long)

Cal Method(B):

 Emission Factor Source(B):
 OTHER

 Control Efficiency(B):
 Not reported

 Tons(B):
 0.0000

 Pollutant(B):
 NO2

 Process Rate Units(C):
 Tons (Long)

 Emission Factor(C):
 0.000000

Emission Factor Units(C): lbs/Ton (Long)
Cal Method(C): C

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

OTHER

Not reported
0.0000

PM10

Tons (Long)

Distance Elevation Site

Database(s)

CONOCOPHILLIPS COMPANY (Continued) S110302539

Emission Factor(D): 0.000000 Emission Factor Units(D): lbs/Ton (Long)

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Processor Parts Units(F):

Tons (4 one)

Process Rate Units(E): Tons (Long)
Emission Factor(E): 0.000000
Emission Factor Units(E): lbs/Ton (Long)

Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Tons(E):

Pollutant(E):

Process Rate Units(F):

Cotten OTHER

Not reported

0.0000

SO2

Tons (Long)

Process Rate Units(F): Tons (Long)
Emission Factor(F): 0.000000
Emission Factor Units(F): lbs/Ton (Long)
Cal Method(F): C

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Process Rate Units(G):

OTHER

Not reported

0.0000

VOC

Not reported

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported

Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported

Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Not reported Control Efficiency(J): Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported

Not reported

Emission Factor(K):

EDR ID Number

EPA ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Not reported

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #5 HDS CHARGE HEATER

Point: 4

Segment Description: H-9501 - REF GAS

 SCC:
 30600106

 Annual Process Rate:
 98

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 1.338500

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

Not reported

MMCF

SO2

MMCF

5.500000

Ibs/MMCF

C

Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 0.2695 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.600000 lbs/MMCF Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): AP4TH

Control Efficiency(C):

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(C): 0.3724 PM10 Pollutant(C): Process Rate Units(D): MMCF Emission Factor(D): 7.600000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 0.3724 Pollutant(D): PT **MMCF** Process Rate Units(E): 24.836700 Emission Factor(E): lbs/MMCF Emission Factor Units(E): Cal Method(E): Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported Tons(E): 1.2170 Pollutant(E): NO₂ Process Rate Units(F): **MMCF** 61.000000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 2.9890 Pollutant(F): CO Process Rate Units(G): Not reported

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Not reported Emission Factor(H): Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Not reported Emission Factor Units(J): Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported

Not reported

Tons(J):

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Pollutant(J): Not reported Not reported Process Rate Units(K): Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** 401 S 23RD STREET PO BOX 30198 Mailing Address:

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN (406) 255-2626 **Emissions Contact Phone:**

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401. RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: **TEMPORARY BOILER**

46 Point:

Segment Description: NATURAL FUEL GAS

SCC: 10200602 Annual Process Rate: **MMCF** Process Rate Units(A):

0.600000 Emission Factor(A): lbs/MMCF Emission Factor Units(A): Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported

Tons(A): 0.0000 Pollutant(A): SO₂ Process Rate Units(B): **MMCF** Emission Factor(B): 5.500000 lbs/MMCF Emission Factor Units(B): Cal Method(B):

Emission Factor Source(B): Not reported Control Efficiency(B): Not reported 0.0000 Tons(B): Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 7.600000 Emission Factor Units(C): lbs/MMCF

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0000 Pollutant(D): PT Process Rate Units(E): **MMCF** 84.000000 Emission Factor(E): Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported 0.0000 Tons(E): Pollutant(E): CO Process Rate Units(F): MMCF Emission Factor(F): 190.000000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): **INDR** Control Efficiency(F): Not reported Tons(F): 0.0000 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Not reported Emission Factor Source(I): Control Efficiency(I): Not reported Tons(I): Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Pollutant(I):

Process Rate Units(J):

Emission Factor Units(J):

Emission Factor(J):

Cal Method(J):

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Not reported Emission Factor Units(K): Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES. ENTERED BY D. LINKENBACH 3/10, 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: TANK #104 FIRE

Point: 47

Segment Description: STORAGE TANKS-CRUDE, DISTL

SCC: 40301199 Annual Process Rate: 61262 Process Rate Units(A): 1000 Barrels Emission Factor(A): 0.000000 lb/1000 bbl Emission Factor Units(A): Cal Method(A): \circ **INDR**

Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 0.2100 Pollutant(A): NO₂

Process Rate Units(B): 1000Barrels Emission Factor(B): 0.000000 Emission Factor Units(B): lb/1000 bbl

Cal Method(B): 0 Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 1.5000 Pollutant(B): VOC

Distance Elevation Site

Site Database(s) EPA ID Number

1000 Barrels

Not reported

CONOCOPHILLIPS COMPANY (Continued)

Process Rate Units(D):

S110302539

EDR ID Number

Process Rate Units(C): 1000 Barrels 0.000000 Emission Factor(C): Emission Factor Units(C): lb/1000 bbl Cal Method(C): 0 Emission Factor Source(C): **INDR** Control Efficiency(C): Not reported 5.0000 Tons(C): Pollutant(C): CO

Emission Factor(D): 0.000000 lb/1000 bbl Emission Factor Units(D): Cal Method(D): 0 Emission Factor Source(D): **INDR** Control Efficiency(D): Not reported Tons(D): 6.8000 Pollutant(D): SO₂ Process Rate Units(E): 1000 Barrels

 Process Rate Units(E):
 1000 Barrels

 Emission Factor(E):
 0.000000

 Emission Factor Units(E):
 lb/1000 bbl

 Cal Method(E):
 O

Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported 10.4000 Tons(E): Pollutant(E): PM10 Process Rate Units(F): 1000 Barrels 0.000000 Emission Factor(F): Emission Factor Units(F): lb/1000 bbl Cal Method(F): 0 Emission Factor Source(F):

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Process Rate Units(G):

INDR

Not reported

10.4000

PT

Not reported

Emission Factor(G): Not reported Not reported Emission Factor Units(G): Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Not reported Emission Factor Source(H): Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported

Process Rate Units(J):

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: Longitude: -108.48906

CONOCOPHILLIPS COMPANY Mailing Company: Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #2 HYDROGEN PLANT RELIEF VENT

44 Point:

Segment Description: **RELIEF VENT - PSA GAS**

SCC: 30600802 Annual Process Rate: 0 Process Rate Units(A): **MMCF** Emission Factor(A): 2617.111100 Emission Factor Units(A): lbs/MMCF Cal Method(A):

Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): 4.2660 Pollutant(A):

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported

Distance Elevation Site

Database(s)

EDR ID Number EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Not reported Cal Method(C): Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Not reported Pollutant(F): Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude: 45.780642

Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN (406) 255-2626 **Emissions Contact Phone:**

2008 Year Of Inventory:

CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #19

Point: 16

HEATER #19 - (FUEL) GAS Segment Description:

30600104 SCC:

Annual Process Rate: Process Rate Units(A): **MMCF** Emission Factor(A): 0.9214 Emission Factor Units(A): lbs/MMCF Cal Method(A): C Emission Factor Source(A): MB

Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): SO₂ Process Rate Units(B): MMCF Emission Factor(B): 5.5000

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 7.6000 Emission Factor Units(C): lbs/MMCF Cal Method(C): AP5TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Not reported Control Efficiency(D): Tons(D): 0.0000 Pollutant(D): PT Process Rate Units(E): **MMCF** Emission Factor(E): 84.0000 lbs/MMCF Emission Factor Units(E): Cal Method(E): C Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported 0.0000 Tons(E): Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Not reported Control Efficiency(F): 0.0000 Tons(F): Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported

> Not reported Not reported

> Not reported

Not reported

Not reported

Not reported

Control Efficiency(H):

Process Rate Units(I):

Emission Factor Units(I):

Emission Factor(I):

Tons(H): Pollutant(H):

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported Not reported PRIMARY KEY FOR PERMITTEE: Airs Number: 111-0011

Latitude: 45.780642 Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT 59107 Mailing Zip:

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

2008 Year Of Inventory:

CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #20

Point:

HEATER #20 - (FUEL) GAS Segment Description:

SCC: 30600104 Annual Process Rate: 14 Process Rate Units(A): MMCF Emission Factor(A): 0.9214 lbs/MMCF Emission Factor Units(A): Cal Method(A): Emission Factor Source(A): MB

Control Efficiency(A): Not reported Tons(A): 0.0064

Distance Elevation Sit

Site Database(s) EPA ID Number

Not reported

Not reported

Not reported

Not reported Not reported

Not reported

Not reported

Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(A): SO₂ Process Rate Units(B): **MMCF** Emission Factor(B): 5.5000 Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.0385 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.6000 lbs/MMCF Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0532 Pollutant(C): PM10 Process Rate Units(D): MMCF Emission Factor(D): 7.6000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0532 Pollutant(D): Process Rate Units(E): **MMCF** Emission Factor(E): 84.0000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported 0.5880 Tons(E): Pollutant(E): CO Process Rate Units(F): **MMCF** 100.0000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported 0.7000 Tons(F): Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Not reported Emission Factor Units(G): Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported

Pollutant(G):

Process Rate Units(H):

Emission Factor Units(H):

Emission Factor Source(H):

Emission Factor(H):

Control Efficiency(H):

Cal Method(H):

Tons(H):

Pollutant(H):

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory:

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #21

Point: 18

Segment Description: HEATER #21 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 383 Process Rate Units(A): **MMCF** Emission Factor(A): 0.9214 Emission Factor Units(A): lbs/MMCF

Cal Method(A): С

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(A): MB

Control Efficiency(A):
Not reported
Tons(A):
0.1764
Pollutant(A):
SO2
Process Rate Units(B):
Emission Factor(B):
Emission Factor Units(B):
Cal Method(B):
Not reported
MMCF
SO2
Ibs/MMCF
S.5000
Ibs/MMCF
Cal Method(B):
C

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

CAP5TH

Not reported

1.0533

VOC

MMCF

7.6000

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 1.4554 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 Emission Factor Units(D): lbs/MMCF Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Daylor AP5TH

Not reported

1.4554

PT

MMCF

84.0000

Emission Factor(E):

Emission Factor Units(E):

Daylor AP5TH

Not reported

1.4554

PT

BMCF

Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 16.0860 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 lbs/MMCF Emission Factor Units(F): Cal Method(F): С

Cal Method(F):

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Process Rate Units(G):

C

AP5TH

Not reported

19.1500

NO2

Not reported

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: -108.48906 Longitude:

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2008

CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM Spt Type/Emissions: Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #5

Point:

Segment Description: HEATER#5 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: Process Rate Units(A): **MMCF**

Distance Elevation Site

Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor(A):

Emission Factor Units(A):

Cal Method(A):

Emission Factor Source(A):

Country

MB

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor (B):

Emission Factor Units(B):

More

5.5000

Emission Factor Units(B):

Dis/MMCF

Cal Method(B): C Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.0495 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.6000 Emission Factor Units(C): lbs/MMCF

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor (D):

Control Efficiency(C):

Not reported 0.0684

Pollutant(C):

PM10

MMCF

T.6000

Emission Factor Units(D):

Ibs/MMCF

Cal Method(D): C Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0684 Pollutant(D): PT Process Rate Units(E): MMCF Emission Factor(E): 84.0000 Emission Factor Units(E): lbs/MMCF Cal Method(E):

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.7560 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Not reported
0.9000
NO2

Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Not reported Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

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Point Name: COKER HEATER

Point: 6
Segment Description: H-3901

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

SCC: 30600106 Annual Process Rate: 946 Process Rate Units(A): MMCF Emission Factor(A): 43.0407 lbs/MMCF Emission Factor Units(A): Cal Method(A): Emission Factor Source(A): STD Control Efficiency(A): 50.0000 Tons(A): 20.3583 Pollutant(A): NO₂ Process Rate Units(B): **MMCF** Emission Factor(B): 0.9214 Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): MB

 Control Efficiency(B):
 Not reported

 Tons(B):
 0.4358

 Pollutant(B):
 SO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.5000

 Emission Factor Units(C):
 Ibs/MMCF

 Cal Method(C):
 C

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 2.6015 Pollutant(C): VOC Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С

Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 3.5948 Pollutant(D): PM10 Process Rate Units(E): **MMCF** Emission Factor(E): 7.6000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH

 Emission Factor Source(E):
 AP5TH

 Control Efficiency(E):
 Not reported

 Tons(E):
 3.5948

 Pollutant(E):
 PT

 Process Rate Units(F):
 MMCF

 Emission Factor(F):
 84.0000

 Emission Factor Units(F):
 Ibs/MMCF

 Cal Method(F):
 C

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

AP5TH

Not reported
39.7320

CO

Process Rate Units(G):

Emission Factor(G):

Emission Factor Units(G):

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Distance Elevation

ation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Point Name: HEATER #10

Point: 7

Segment Description: HEATER #10 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 160

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 0.9214

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): C
Emission Factor Source(A): MB

Control Efficiency(A):
Not reported
Tons(A):
0.0737
Pollutant(A):
SO2
Process Rate Units(B):
Emission Factor(B):
Emission Factor Units(B):
Ibs/MMCF

Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported 0.4400 Tons(B): Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 7.6000 Emission Factor Units(C): lbs/MMCF Cal Method(C): С AP5TH

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

MMCF

Tons(C):

PM10

MMCF

MMCF

Tons(C):

Tons(C):

PM10

MMCF

MMCF

Tons(C):

Tons(C):

Ibs/MMCF

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

C

AP5TH

Not reported

0.6080

PT

PT

MMCF

84.0000

Emission Factor Units(E):

Ibs/MMCF

Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 6.7200 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 Emission Factor Units(F): lbs/MMCF С

 Cal Method(F):
 C

 Emission Factor Source(F):
 AP5TH

 Control Efficiency(F):
 Not reported

 Tons(F):
 8.0000

 Pollutant(F):
 NO2

 Process Rate Units(G):
 Not reported

 Emission Factor(G):
 Not reported

 Emission Factor Units(G):
 Not reported

 Cal Method(G):
 Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:
Mailing State:
MT
Mailing Zip:
59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

Distance Elevation

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

Point Name:

S110302539

EDR ID Number

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

HEATER #2

Point:

Segment Description: HEATER #2 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 0

Process Rate Units(A): MMCF
Emission Factor(A): 2.1250
Emission Factor Units(A): lbs/MMCF

Cal Method(A): C
Emission Factor Source(A): MB

Control Efficiency(A):
Not reported
Tons(A):
0.0000
Pollutant(A):
SO2
Process Rate Units(B):
MMCF
Emission Factor(B):
5.5000
Emission Factor Units(B):
Ibs/MMCF

Cal Method(B):

 Emission Factor Source(B):
 AP5TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 0.0000

 Pollutant(B):
 VOC

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 7.6000

 Emission Factor Units(C):
 Ibs/MMCF

Cal Method(C): С AP5TH Emission Factor Source(C): Control Efficiency(C): Not reported 0.0000 Tons(C): Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 Emission Factor Units(D): lbs/MMCF

Cal Method(D):

Cmission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

CAP5TH

Not reported

0.0000

PT

PT

PMCF

84.0000

Emission Factor Units(E): lbs/MMCF Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): CO **MMCF** Process Rate Units(F): Emission Factor(F): 100.0000

Emission Factor Units(F): lbs/MMCF
Cal Method(F): C
Emission Factor Source(F): AP5TH
Control Efficiency(F): Not reported
Tons(F): 0.0000
Pollutant(F): NO2

Process Rate Units(G): Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Not reported Pollutant(G): Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011

 Airs Number:
 111-0011

 Latitude:
 45.780642

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 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

MAP FINDINGS Map ID Direction

Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE

INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #4

Point:

Segment Description: HEATER #4 - (FUEL) GAS

SCC: 30600104

Annual Process Rate: Process Rate Units(A): **MMCF** Emission Factor(A): 1.4067 Emission Factor Units(A): lbs/MMCF

Cal Method(A): Emission Factor Source(A): MB

Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): SO2 Process Rate Units(B): **MMCF** Emission Factor(B): 5.5000 Emission Factor Units(B): lbs/MMCF Cal Method(B): С

Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.6000 Emission Factor Units(C): lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM10 Process Rate Units(D): MMCF Emission Factor(D): 7.6000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С

Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PT Process Rate Units(E): **MMCF** Emission Factor(E): 84.0000 Emission Factor Units(E): lbs/MMCF

Cal Method(E):

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): CO Process Rate Units(F): **MMCF** 100.0000 Emission Factor(F):

lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported

Distance Elevation

tion Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 0.0000 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Not reported Control Efficiency(K): Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

2008 Year Of Inventory:

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: **FLARE** 23 Point:

Segment Description: **FLARE** 30600999 SCC: Annual Process Rate:

MMCF Process Rate Units(A): Emission Factor(A): 142.8387 Emission Factor Units(A): lbs/MMCF Cal Method(A):

Emission Factor Source(A): **INDR** Control Efficiency(A): 0.0000 Tons(A): 15.4980 Pollutant(A): VOC Process Rate Units(B): MMCF Emission Factor(B): 337.5115 Emission Factor Units(B): lbs/MMCF

Cal Method(B): C Emission Factor Source(B): MB Control Efficiency(B): 0.0000 Tons(B): 36.6200 Pollutant(B): CO Process Rate Units(C): **MMCF** Emission Factor(C): 16.6820 Emission Factor Units(C): lbs/MMCF

Cal Method(C): С Emission Factor Source(C): MB

Control Efficiency(C): Not reported 1.8100 Tons(C): Pollutant(C): SO₂ Process Rate Units(D): **MMCF** 69.3825 Emission Factor(D): Emission Factor Units(D): lbs/MMCF

Cal Method(D): C Emission Factor Source(D): **INDR** Control Efficiency(D): Not reported Tons(D): 7.5280 Pollutant(D): NO₂ Process Rate Units(E): Not reported

Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Not reported Emission Factor(G): Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Not reported Control Efficiency(J): Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: STORAGE TANKS

Point: 2

Segment Description: GASOLINE STORAGE TANKS

 SCC:
 40399999

 Annual Process Rate:
 33782

 Process Rate Units(A):
 1000 Barrels

 Emission Factor(A):
 0.0000

 Emission Factor Units(A):
 Ib/1000 bbl

 Cal Method(A):
 O

Emission Factor Source(A):

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Not reported Emission Factor(C): Emission Factor Units(C): Not reported Cal Method(C): Not reported

Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Not reported Tons(C): Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported

Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported

Distance
Elevation Site Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Not reported Cal Method(F): Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Not reported Tons(F): Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Not reported Emission Factor Units(J): Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 45.780642 Latitude:

-108.48906

Longitude:

Direction
Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Not reported

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE

INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: STORAGE TANKS

Point: 24

Segment Description: STORAGE TANKS-CRUDE, DISTL

 SCC:
 40301199

 Annual Process Rate:
 62129

 Process Rate Units(A):
 1000 Barrels

Emission Factor(A):

Emission Factor Units(A):

Cal Method(A):

Emission Factor Source(A):

O.0000

Ib/1000 bbl

O

TANKS

Control Efficiency(A):
Not reported
Tons(A):
Pollutant(A):
VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Not reported Tons(B): Pollutant(B): Not reported

Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C) Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported

Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported

Emission Factor Units(D):

Cal Method(E): Not reported Emission Factor Source(E): Not reported

Distance Elevation Site

ite Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

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Point Name: BULK LOADING-GASOLINE

Point: 25

Segment Description: BULK LOADING-GASOLINE

 SCC:
 40400199

 Annual Process Rate:
 50179

 Process Rate Units(A):
 1000 Gallons

 Emission Factor(A):
 0.0000

 Emission Factor Units(A):
 lbs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

C

INDR

0.0000

Not reported

VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Not reported Cal Method(B): Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Not reported

Not reported

Not reported

Not reported

Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #12

Point:

Segment Description: 00524 #12 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 610

 Process Rate Units(A):
 MMCF

 Emission Factor (A):
 0.9214

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): C Emission Factor Source(A): MB

Control Efficiency(A):
Not reported
Tons(A):
Pollutant(A):
Process Rate Units(B):
MMCF
Emission Factor(B):
So2
Foods
MMCF
Emission Factor Units(B):
Ibs/MMCF

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

CAP5TH

Not reported

1.6775

VOC

MMCF

MMCF

7.6000

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C):

 Emission Factor Source(C):
 AP5TH

 Control Efficiency(C):
 Not reported

 Tons(C):
 2.3180

 Pollutant(C):
 PM10

 Process Rate Units(D):
 MMCF

 Emission Factor(D):
 7.6000

 Emission Factor Units(D):
 Ibs/MMCF

 Cal Method(D):
 C

Emission Factor Source(D): AP5TH
Control Efficiency(D): Not reported
Tons(D): 2.3180

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(D): PT **MMCF** Process Rate Units(E): Emission Factor(E): 84.0000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 25.6200 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 30.5000 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported

Not reported

Pollutant(K):

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported Not reported PRIMARY KEY FOR SITE: PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

CONOCOPHILLIPS COMPANY Mailing Company: Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

lbs/MMCF

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

2008 Year Of Inventory:

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401. RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #13

Point: 10

Segment Description: HEATER #13 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 160 Process Rate Units(A): **MMCF** Emission Factor(A): 0.9214 Emission Factor Units(A): lbs/MMCF

Cal Method(A): Emission Factor Source(A): MB

Control Efficiency(A): Not reported Tons(A): 0.0737 Pollutant(A): SO2 Process Rate Units(B): **MMCF** Emission Factor(B): 5.5000 Emission Factor Units(B): lbs/MMCF

Cal Method(B): C Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.4400 Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 7.6000 Emission Factor Units(C): lbs/MMCF Cal Method(C): C Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.6080 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000

Cal Method(D): С

Emission Factor Units(D):

Distance Elevation Site

ite Database(s)

Not reported

Not reported Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor Source(D): AP5TH Not reported Control Efficiency(D): 0.6080 Tons(D): Pollutant(D): PT MMCF Process Rate Units(E): Emission Factor(E): 84.0000 lbs/MMCF Emission Factor Units(E): Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 6.7200 Pollutant(E): CO Process Rate Units(F): MMCF Emission Factor(F): 100.0000 lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 8.0000 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported

Emission Factor(K):

Cal Method(K):

Emission Factor Units(K):

Emission Factor Source(K):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported Not reported PRIMARY KEY FOR SITE: PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE

INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #14

Point:

Segment Description: HEATER #14 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 141

Process Rate Units(A): MMCF
Emission Factor(A): 0.9214
Emission Factor Units(A): lbs/MMCF

Cal Method(A): C
Emission Factor Source(A): MB

Control Efficiency(A):
Not reported
Tons(A):
0.0650
Pollutant(A):
SO2
Process Rate Units(B):
MMCF
Emission Factor(B):
Emission Factor Units(B):
Ibs/MMCF

Cal Method(B): C Emission Factor Source(B): AP5TH

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Cal Method(C):

Not reported
MMCF

MMCF

Foliable Triangle Triangle

 Cal Method(C):
 C

 Emission Factor Source(C):
 AP5TH

 Control Efficiency(C):
 Not reported

 Tons(C):
 0.5358

 Pollutant(C):
 PM10

 Process Rate Units(D):
 MMCF

Distance
Elevation Site Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor(D): 7.6000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.5358 Pollutant(D): PT Process Rate Units(E): MMCF Emission Factor(E): 84.0000 Emission Factor Units(E): lbs/MMCF Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 5.9220 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 7.0500 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Not reported Control Efficiency(J): Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

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#5 HDS CHARGE HEATER Point Name:

Point:

Segment Description: H-9501 - REF GAS

SCC: 30600106 Annual Process Rate: 95 Process Rate Units(A): MMCF 0.9214 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A): С

Emission Factor Source(A): MB Control Efficiency(A):

Not reported 0.0438 Tons(A): Pollutant(A): SO2 MMCF Process Rate Units(B): Emission Factor(B): 5.5000 Emission Factor Units(B): lbs/MMCF Cal Method(B): С

Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 0.2613 Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 7.6000 Emission Factor Units(C): lbs/MMCF Cal Method(C): C Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(C): 0.3610 PM10 Pollutant(C): Process Rate Units(D): MMCF Emission Factor(D): 7.6000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 0.3610 Pollutant(D): PT **MMCF** Process Rate Units(E): Emission Factor(E): 24.0421 lbs/MMCF Emission Factor Units(E): Cal Method(E): Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported 1.1420 Tons(E): Pollutant(E): NO₂ Process Rate Units(F): **MMCF** Emission Factor(F): 61.0000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 2.8975 Pollutant(F): CO Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Not reported Emission Factor Source(G): Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Not reported Emission Factor(H): Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported

> Not reported Not reported

> Not reported

Not reported

Not reported

Not reported

Emission Factor(J):

Control Efficiency(J):

Cal Method(J):

Tons(J):

Emission Factor Units(J):

Emission Factor Source(J):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(J): Not reported Not reported Process Rate Units(K): Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

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Point Name: #5 HDS REBOILER HEATER

Point: 42

Segment Description: H-9502 - REF GAS

 SCC:
 30600104

 Annual Process Rate:
 256

 Process Rate Units(A):
 MMCF

 Emission Factor (A):
 0.9214

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): C
Emission Factor Source(A): MB

Control Efficiency(A): Not reported 0.1179 Tons(A): Pollutant(A): SO₂ Process Rate Units(B): **MMCF** Emission Factor(B): 5.5000 Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.7040 Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 7.6000

Emission Factor Units(C):

lbs/MMCF

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(C): С AP4TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 0.9728 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 0.9728 Pollutant(D): PT Process Rate Units(E): **MMCF** Emission Factor(E): 18.6250 Emission Factor Units(E): lbs/MMCF Cal Method(E): C **INDR** Emission Factor Source(E): Control Efficiency(E): Not reported 2.3840 Tons(E): Pollutant(E): NO₂ Process Rate Units(F): **MMCF** Emission Factor(F): 61.0000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 7.8080 Pollutant(F): CO

Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported

Not reported

Cal Method(J):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Not reported Emission Factor Units(K): Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

HYDROGEN PLNT PROCESS HTR

Point: 35

Point Name:

Segment Description: PRCSS HTR-NAT'L GAS H9401

 SCC:
 30600105

 Annual Process Rate:
 545

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 28.1028

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): C Emission Factor Source(A): MB Control Efficiency(A): 50.0000 Tons(A): 7.6580 Pollutant(A): NO2 Process Rate Units(B): MMCF Emission Factor(B): 0.6000 Emission Factor Units(B): lbs/MMCF Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

AP4TH

Not reported

0.1635

SO2

Distance Elevation Sit

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(C): **MMCF** 2.8000 Emission Factor(C): Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported 0.7630 Tons(C): VOC Pollutant(C): Process Rate Units(D): MMCF Emission Factor(D): 3.0000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С AP4TH Emission Factor Source(D): Control Efficiency(D): Not reported Tons(D): 0.8175 Pollutant(D): PM10 Process Rate Units(E): **MMCF** Emission Factor(E): 61.0000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported 16.6225 Tons(E): Pollutant(E): CO Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Not reported Emission Factor Units(G): Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Not reported Emission Factor Source(H): Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported

Process Rate Units(J):

Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

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Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:
Mailing State:
MT
Mailing Zip:
59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: COKE HANDLING EQUIP/STG

Point: 36

Segment Description: COKE HANDLING & TRANSFER

SCC: 30501011
Annual Process Rate: 377352
Process Rate Units(A): Coke Shipped
Emission Factor(A): 0.0019

Emission Factor Units(A): lbs/Coke Shipped

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

99.0000

Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor (B):

Emission Factor Units(B):

INDR

99.0000

Cose Shipped

Coke Shipped

Ibs/Coke Shipped

Cal Method(B):
Cmission Factor Source(B):
INDR

Distance Elevation Site

ite Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(B): 99.0000 0.3585 Tons(B): Pollutant(B): PT Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Not reported Cal Method(E): Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Not reported Pollutant(F): Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported

Not reported

Control Efficiency(I):

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude: 45.780642

Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN (406) 255-2626 **Emissions Contact Phone:**

Year Of Inventory: 2008

CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

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Point Name: TRUCK RACK FLARE

Point: 37

Segment Description: TRUCK RACK FLARE

30600903 SCC: Annual Process Rate: 118568 Process Rate Units(A): 1000 Gallons Emission Factor(A): 0.0000

Emission Factor Units(A): lbs/1000 Gallons Cal Method(A): 0 Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): PM10 Process Rate Units(B): 1000 Gallons Emission Factor(B): 0.0000

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(B): lbs/1000 Gallons

 Cal Method(B):
 O

 Emission Factor Source(B):
 INDR

 Control Efficiency(B):
 Not reported

 Tons(B):
 0.0000

 Pollutant(B):
 PT

Process Rate Units(C): 1000 Gallons Emission Factor(C): 0.0146

Emission Factor Units(C): lbs/1000 Gallons

 Cal Method(C):
 O

 Emission Factor Source(C):
 INDR

 Control Efficiency(C):
 Not reported

 Tons(C):
 0.0000

 Pollutant(C):
 NO2

 Process Rate Units(D):
 1000 Gallons

Emission Factor(D): 0.0366
Emission Factor Units(D): lbs/1000 Gallons

 Cal Method(D):
 O

 Emission Factor Source(D):
 INDR

 Control Efficiency(D):
 Not reported

 Tons(D):
 0.0000

 Pollutant(D):
 CO

Process Rate Units(E): 1000 Gallons
Emission Factor(E): 0.0366

Emission Factor Units(E): lbs/1000 Gallons

 Cal Method(E):
 O

 Emission Factor Source(E):
 INDR

 Control Efficiency(E):
 Not reported

 Tons(E):
 0.0000

 Pollutant(E):
 VOC

 Process Rate Units(F):
 1000 Gallons

Emission Factor(F): 0.6000
Emission Factor Units(F): lbs/1000 Gallons

Not reported

 Cal Method(F):
 O

 Emission Factor Source(F):
 AP4TH

 Control Efficiency(F):
 Not reported

 Tons(F):
 0.0000

 Pollutant(F):
 SO2

Process Rate Units(G):

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported Not reported PRIMARY KEY FOR PERMITTEE:

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HYDROGEN PLANT

Point: 39

Segment Description: HYDROGEN PLANT

SCC: 30600199 Annual Process Rate: 8760 Process Rate Units(A): Hrs Emission Factor(A): 0.1075 Emission Factor Units(A): lbs/hr Cal Method(A): Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): 0.4709

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

VOC Pollutant(A): Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D) Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Not reported Emission Factor(F): Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: MISC. GAS EQUIPMENT

Point: 40

Segment Description: MISC DIESEL EQUIPMENT

SCC: 20200102 Annual Process Rate: 31

Process Rate Units(A): 1000 Gallons
Emission Factor(A): 6.6600
Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A):

MAP FINDINGS Map ID Direction

Distance Elevation Site

Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(A): AP4TH Control Efficiency(A): Not reported 0.1032 Tons(A): Pollutant(A): SO2 1000 Gallons Process Rate Units(B): Emission Factor(B): 36.0000

lbs/1000 Gallons Emission Factor Units(B):

Cal Method(B): Emission Factor Source(B): AP4TH Control Efficiency(B): Not reported Tons(B): 0.5580 Pollutant(B): PM10 Process Rate Units(C): 1000 Gallons Emission Factor(C): 40.6452

lbs/1000 Gallons Emission Factor Units(C):

Cal Method(C): Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 0.6300 VOC Pollutant(C):

Process Rate Units(D): 1000 Gallons Emission Factor(D): 110.3226 Emission Factor Units(D): lbs/1000 Gallons

Cal Method(D): Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 1.7100 Pollutant(D): CO

Process Rate Units(E): 1000 Gallons Emission Factor(E): 512.2581 Emission Factor Units(E): lbs/1000 Gallons

Cal Method(E): Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 7.9400 Pollutant(E): NO₂ Process Rate Units(F): Not reported

Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Not reported Pollutant(F): Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported

Not reported

Cal Method(H):

Emission Factor Source(H):

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: -108.48906 Longitude:

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2008

CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM Spt Type/Emissions: Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

BLENDING UNIT INSTALLED 8/18/94H-8401. RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: MISC. GAS EQUIPMENT

Point:

MISC GAS EQUIPMENT Segment Description:

SCC: 20300301 Annual Process Rate: 28

Process Rate Units(A): 1000 Gallons

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(A): 5.4286

Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Not reported

Tons(A):

Pollutant(A):

SO2

Process Rate Units(B): 1000 Gallons
Emission Factor(B): 12.8571
Emission Factor Units(B): lbs/1000 Gallons

 Cal Method(B):
 C

 Emission Factor Source(B):
 AP4TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 0.1800

 Pollutant(B):
 PM10

 Process Rate Units(C):
 1000 Gallons

 Emission Factor(C):
 209.6429

Emission Factor Units(C): lbs/1000 Gallons Cal Method(C): C

 Emission Factor Source(C):
 AP4TH

 Control Efficiency(C):
 Not reported

 Tons(C):
 2.9350

 Pollutant(C):
 NO2

Process Rate Units(D): 1000 Gallons
Emission Factor(D): 270.0714
Emission Factor Units(D): lbs/1000 Gallons

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

C AP4TH

Not reported

3.7810

VOC

1000 Gallons

Emission Factor(E): 8063.0714
Emission Factor Units(E): lbs/1000 Gallons

 Cal Method(E):
 C

 Emission Factor Source(E):
 AP4TH

 Control Efficiency(E):
 Not reported

 Tons(E):
 112.8830

 Pollutant(E):
 CO

Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Not reported Emission Factor Source(F): Control Efficiency(F): Not reported Not reported Tons(F): Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Tons(G): Not reported Pollutant(G): Not reported

Not reported

Not reported

Process Rate Units(H):

Emission Factor(H):

MAP FINDINGS Map ID

Direction Distance

Elevation Site **EPA ID Number** Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Not reported Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 -108.48906 Longitude:

CONOCOPHILLIPS COMPANY Mailing Company: Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: Plant Comment: UPDATED BY J. HUGHES. ENTERED BY D. LINKENBACH 3/10, 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Point Name: HYDROGEN PLNT PROCESS HTR

Point:

Segment Description: PRCSS HTR-H9401 PSA GAS

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 SCC:
 30600106

 Annual Process Rate:
 2766

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 0.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

 Emission Factor Source(A):
 MB

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

Not reported
MMCF

0.00000

SO2

Process Rate Units(B):

0.000000

Ibs/MMCF

C

Emission Factor Source(B):

Control Efficiency(B):

MB

Not reported

 Tons(B):
 0.0000

 Pollutant(B):
 VOC

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 0.937200

 Emission Factor Units(C):
 lbs/MMCF

 Cal Method(C):
 C

 Emission Factor Source(C):
 INDR

Control Efficiency(C): Not reported
Tons(C): 1.2961
Pollutant(C): PM10
Process Rate Units(D): MMCF
Emission Factor(D): 0.937200
Emission Factor Units(D): Ibs/MMCF
Cal Method(D): C

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

INDR

Not reported

1.2961

PT

PT

PMMCF

8.009400

Ibs/MMCF

Cal Method(E):

C

Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported Tons(E): 11.0770 Pollutant(E): NO₂ Process Rate Units(F): **MMCF** 18.906700 Emission Factor(F): lbs/MMCF Emission Factor Units(F): Cal Method(F): С

Emission Factor Source(F): INDR

Control Efficiency(F):

Tons(F):

Pollutant(F):

Not reported
26.1480

CO

Process Rate Units(G):

Emission Factor(G):

Emission Factor Units(G):

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401. RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Direction Distance Elevation

on Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Point Name: **FLARE** Point: 23 Segment Description: **FLARE** SCC: 30600999 Annual Process Rate: 217 Process Rate Units(A): **MMCF** 142.765000 Emission Factor(A): lbs/MMCF Emission Factor Units(A): Cal Method(A): С Emission Factor Source(A): **INDR**

 Emission Factor Source(A):
 INDR

 Control Efficiency(A):
 0.0000

 Tons(A):
 15.4900

 Pollutant(A):
 VOC

 Process Rate Units(B):
 MMCF

 Emission Factor (B):
 377.308800

 Emission Factor Units(B):
 Ibs/MMCF

 Cal Method(B):
 C

Emission Factor Source(B): MB Control Efficiency(B): 0.0000 40.9380 Tons(B): Pollutant(B): CO Process Rate Units(C): **MMCF** Emission Factor(C): 55.668200 Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): MB

Control Efficiency(C):

Not reported
Tons(C):
6.0400

Pollutant(C):
SO2

Process Rate Units(D):
Emission Factor(D):
69.345600

Emission Factor Units(D):
Cal Method(D):
C

Emission Factor Source(D): INDR
Control Efficiency(D): Not reported
Tons(D): 7.5240
Pollutant(D): NO2

Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Not reported Control Efficiency(F): Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported

Not reported

Not reported

Emission Factor Units(G):

Cal Method(G):

Distance
Elevation Site Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Not reported Emission Factor Units(H): Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
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Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: STORAGE TANKS

Point: 24

Segment Description: GASOLINE STORAGE TANKS

 SCC:
 40399999

 Annual Process Rate:
 32975

 Process Rate Units(A):
 1000 Barrels

 Emission Factor(A):
 0.000000

 Emission Factor Units(A):
 lb/1000 bbl

Cal Method(A):

Communication Factor Source(A):

Control Efficiency(A):

TANKS

Not reported

Tons(A):

Pollutant(A):

Process Rate Units(B):

VOC

Not reported

Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported

Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Not reported Cal Method(D): Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported

Emission Factor Units(E): Not reported Cal Method(E): Not reported Not reported Emission Factor Source(E): Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported

Control Efficiency(F):

Tons(F):

Pollutant(F):

Not reported
Not reported
Not reported

Not reported

Emission Factor Source(F):

Process Rate Units(G): Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Not reported Pollutant(G): Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported Not reported SITE ID SIC: UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10 Spt Type/Emissions:

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE Plant Comment: COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: PMA PROCESS HTR (H-3201)

Point:

Segment Description: PMA PROCESS HTR (H-3201)

SCC: 10200603

Annual Process Rate: Process Rate Units(A): **MMCF** 0.600000 Emission Factor(A): Emission Factor Units(A): lbs/MMCF

Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): SO2 Process Rate Units(B): **MMCF** Emission Factor(B): 5.767000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported

0.0000 Tons(B): Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 12.000000 Emission Factor Units(C): lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM10 Process Rate Units(D): MMCF Emission Factor(D): 12.000000 Emission Factor Units(D): lbs/MMCF

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PT Process Rate Units(E): **MMCF** Emission Factor(E): 15.000000 Emission Factor Units(E): lbs/MMCF Cal Method(E):

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 17.000000

lbs/MMCF Emission Factor Units(F): Cal Method(F): C Emission Factor Source(F): **INDR** Control Efficiency(F): Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(F): 0.0000 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Not reported Control Efficiency(K): Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

2009 Year Of Inventory:

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

RCYCL HYDRGN FRNC H-8401

Point:

Point Name:

PRCSS HTR-PRCSS GAS H8401 Segment Description:

30600104 SCC: Annual Process Rate: Process Rate Units(A): **MMCF** Emission Factor(A): 1.338500 Emission Factor Units(A): lbs/MMCF Cal Method(A):

Emission Factor Source(A): MB

Control Efficiency(A): Not reported Tons(A): 0.0509 Pollutant(A): SO₂ Process Rate Units(B): MMCF Emission Factor(B): 2.800000 lbs/MMCF Emission Factor Units(B):

Cal Method(B): C Emission Factor Source(B): AP4TH Control Efficiency(B): Not reported Tons(B): 0.1064 Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 3.000000 Emission Factor Units(C): lbs/MMCF

Cal Method(C): AP4TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 0.1140 Pollutant(C): PM10 Process Rate Units(D): MMCF Emission Factor(D): 3.000000 Emission Factor Units(D): lbs/MMCF

Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.1140 Pollutant(D): PT Process Rate Units(E): **MMCF** 29.876900 Emission Factor(E):

lbs/MMCF

Emission Factor Units(E): Cal Method(E): Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported Tons(E): 1.1353 Pollutant(E): NO₂ Process Rate Units(F): **MMCF**

Emission Factor(F): 61.000000 Emission Factor Units(F): lbs/MMCF

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(F): С AP5TH Emission Factor Source(F): Control Efficiency(F): Not reported Tons(F): 2.3180 Pollutant(F): CO Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Not reported Control Efficiency(J): Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: MISC. GAS EQUIPMENT

Point: 40

Segment Description: MISC GAS EQUIPMENT

C

SCC: 20300301

Annual Process Rate: 34

Process Rate Units(A):

Emission Factor(A):

Emission Factor Units(A):

1000 Gallons
5.529400

Ibs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Not reported

100940

Pollutant(A):

Process Rate Units(B):

1000 Gallons

13,176500

Emission Factor(B): 13.176500
Emission Factor Units(B): lbs/1000 Gallons

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor (C):

Emission Factor Units(C):

C AP4TH

Not reported

0.2240

PM10

1000 Gallons

214.294100

Emission Factor Units(C):

Ibs/1000 Gallons

 Cal Method(C):
 C

 Emission Factor Source(C):
 AP4TH

 Control Efficiency(C):
 Not reported

 Tons(C):
 3.6430

 Pollutant(C):
 NO2

Process Rate Units(D): 1000 Gallons
Emission Factor(D): 276.117600
Emission Factor Units(D): lbs/1000 Gallons

Cal Method(D):

Emission Factor Source(D):AP4THControl Efficiency(D):Not reportedTons(D):4.6940Pollutant(D):VOC

Process Rate Units(E): 1000 Gallons
Emission Factor(E): 8244.000000
Emission Factor Units(E): lbs/1000 Gallons

 Cal Method(E):
 C

 Emission Factor Source(E):
 AP4TH

 Control Efficiency(E):
 Not reported

 Tons(E):
 140.1480

 Pollutant(E):
 CO

Distance Elevation Site

ite Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Not reported Cal Method(F): Emission Factor Source(F): Not reported Not reported Control Efficiency(F): Not reported Tons(F): Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Not reported Emission Factor Units(J): Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011

Airs Number: 111-0011
Latitude: 45.780642
Longitude: -108.48906

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

ALLEN C EGGEN **Emissions Contact: Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE Plant Comment:

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

HEATER #24

Point Name:

Point: HEATER #24 - (FUEL) GAS Segment Description:

SCC: 30600104 Annual Process Rate: 713 Process Rate Units(A): **MMCF** Emission Factor(A): 1.338500

Emission Factor Units(A): lbs/MMCF Cal Method(A): MB

Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 0.4772 Pollutant(A): SO2 Process Rate Units(B): **MMCF** Emission Factor(B): 5.500000

Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 1.9608 Pollutant(B): VOC Process Rate Units(C): MMCF

Emission Factor(C): 7.600000 lbs/MMCF Emission Factor Units(C): Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 2.7094 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000

Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 2.7094 Pollutant(D): Process Rate Units(E): **MMCF** Emission Factor(E): 84.000000 lbs/MMCF Emission Factor Units(E):

Cal Method(E): Emission Factor Source(E): AP5TH

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(E): Not reported Tons(E): 29.9460 Pollutant(E): CO Process Rate Units(F): **MMCF** 100.000000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 35.6500 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: FUGITIVE HC EMISSIONS

Point: 26

Segment Description: FUGITIVE HC EMISSION

 SCC:
 30688801

 Annual Process Rate:
 20084

 Process Rate Units(A):
 1000 Barrels

 Emission Factor(A):
 22.623100

 Emission Factor Units(A):
 lb/1000 bbl

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

Cinnon

Not reported
227.1812

VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Not reported Cal Method(B): Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported

Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT 59107 Mailing Zip:

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

lb/Ton

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES. ENTERED BY D. LINKENBACH 3/10, 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: JUPITER MAIN STACK

Point:

Segment Description: ATS PRODUCTION

SCC: 30104002 Annual Process Rate: 93239 Process Rate Units(A): Ton Emission Factor(A): 0.000000 Emission Factor Units(A): lb/Ton Cal Method(A): С Emission Factor Source(A): MB

Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): VOC Process Rate Units(B): Ton Emission Factor(B): 0.037800 Emission Factor Units(B): lb/Ton Cal Method(B): Emission Factor Source(B): STD Control Efficiency(B): Not reported Tons(B): 1.7622 Pollutant(B): CO Process Rate Units(C): Ton 0.129800

Cal Method(C): С Emission Factor Source(C): MB

Emission Factor(C): Emission Factor Units(C):

Control Efficiency(C): Not reported Tons(C): 6.0512 Pollutant(C): PT Process Rate Units(D): Ton Emission Factor(D): 0.129800 Emission Factor Units(D): lb/Ton Cal Method(D): Emission Factor Source(D): STD Control Efficiency(D): Not reported Tons(D): 6.0512

Distance Elevation Site

Database(s)

S110302539

EDR ID Number

EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

Pollutant(D): PM10 Process Rate Units(E): Ton Emission Factor(E): 0.421700 Emission Factor Units(E): lb/Ton Cal Method(E): Emission Factor Source(E): CEM Control Efficiency(E): Not reported Tons(E): 19.6594 Pollutant(E): SO2 Process Rate Units(F): Ton Emission Factor(F): 0.422800 Emission Factor Units(F): lb/Ton Cal Method(F): C Emission Factor Source(F): MB

Control Efficiency(F): Not reported Tons(F): 19.7107 Pollutant(F): NH3 Process Rate Units(G): Ton Emission Factor(G): 1.183800 Emission Factor Units(G): lb/Ton Cal Method(G): С Emission Factor Source(G): STD

Control Efficiency(G):

Tons(G):

Pollutant(G):

Process Rate Units(H):

Not reported

No2

Not reported

Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Not reported Control Efficiency(H): Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported

Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

SITE ID SIC:

UNIQUE IDENTIFIER:

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR SITE:

PRIMARY KEY FOR PERMITTEE:

Not reported

Not reported

Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE
COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

JUPITER FLARE

0.000000

lb/Ton

С

Point: 30

Point Name:

Emission Factor(D):

Cal Method(D):

Emission Factor Units(D):

Segment Description: AMMONIUM SULFIDE PLANT

 SCC:
 30104002

 Annual Process Rate:
 6774

 Process Rate Units(A):
 Ton

 Emission Factor(A):
 0.000000

 Emission Factor Units(A):
 Ib/Ton

 Cal Method(A):
 C

 Emission Factor Source(A):
 OTHER

 Control Efficiency (A):
 Not reported

Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): CO Process Rate Units(B): Ton 0.000000 Emission Factor(B): Emission Factor Units(B): lb/Ton Cal Method(B): C Emission Factor Source(B): **OTHER**

Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): NO₂ Process Rate Units(C): Ton Emission Factor(C): 0.000000 Emission Factor Units(C): lb/Ton Cal Method(C): С Emission Factor Source(C): **OTHER** Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM10 Process Rate Units(D): Ton

Distance Elevation Site

Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor Source(D): **OTHER** Not reported Control Efficiency(D): 0.0000 Tons(D): Pollutant(D): PT Process Rate Units(E): Ton Emission Factor(E): 0.015600 Emission Factor Units(E): lb/Ton Cal Method(E): С Emission Factor Source(E): MB

Control Efficiency(E): Not reported Tons(E): 0.0528 Pollutant(E): SO₂ Process Rate Units(F): Ton Emission Factor(F): 0.029500 Emission Factor Units(F): lb/Ton Cal Method(F): Emission Factor Source(F): **OTHER** Control Efficiency(F): Not reported Tons(F): 0.0999

VOC Pollutant(F): Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported

> Not reported Not reported

> Not reported

Emission Factor Units(K):

Emission Factor Source(K):

Cal Method(K):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #1 HYDROGEN PLANT RELIEF VENT

Point: 45

Segment Description: RELIEF VENT - PSA GAS

 SCC:
 30600802

 Annual Process Rate:
 0

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 0.000000

Emission Factor Units(A): Ibs/MMCF
Cal Method(A): O
Emission Factor Source(A): INDR
Control Efficiency(A): Not reported
Tons(A): 11.6000
Pollutant(A): CO

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Not reported Emission Factor Source(B): Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(D): Not reported Emission Factor Units(D): Not reported Not reported Cal Method(D): Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Not reported Pollutant(D): Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Not reported Pollutant(F): Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: COKE HANDLING EQUIP/STG

Point: 3

Segment Description: COKE HANDLING & TRANSFER

SCC: 30501011

Annual Process Rate: 326973

Process Rate Units(A): Coke Shipped
Emission Factor(A): 0.002200

Emission Factor Units(A): lbs/Coke Shipped

 Cal Method(A):
 C

 Emission Factor Source(A):
 INDR

 Control Efficiency(A):
 99.0000

 Tons(A):
 0.3597

 Pollutant(A):
 PM10

 Process Rate Units(B):
 Coke Shipped

Emission Factor (B):

Concentrate of mission and a second of mission and a sec

Cal Method(B):

Emission Factor Source(B): INDR
Control Efficiency(B): 99.0000

 Control Efficiency(B):
 99.0000

 Tons(B):
 0.3597

 Pollutant(B):
 PT

 Process Rate Units(C):
 Not report

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Not reported

Not reported

Not reported

Not reported

Distance Elevation Site

te Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Not reported Emission Factor Source(F): Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Not reported Emission Factor(H): Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Not reported Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(J): Not reported Not reported Process Rate Units(K): Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: TRUCK RACK FLARE

Point: 37

Segment Description: TRUCK RACK FLARE

 SCC:
 30600903

 Annual Process Rate:
 125774

 Process Rate Units(A):
 1000 Gallons

 Emission Factor(A):
 0.000000

 Emission Factor Units(A):
 lbs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor (B):

Emission Factor Units(B):

O

INDR

Not reported

0.0000

PM10

PM10

1000 Gallons

Emission Factor Units(B):

Ibs/1000 Gallons

Emission Factor Units(B):

Cal Method(B):

Cmission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Dos/1000 Gall
O

Not reported

0.0000

PT

Process Rate Units(C): 1000 Gallons
Emission Factor(C): 0.014600
Emission Factor Units(C): lbs/1000 Gallons

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

 Cal Method(C):
 O

 Emission Factor Source(C):
 INDR

 Control Efficiency(C):
 Not reported

 Tons(C):
 0.0000

 Pollutant(C):
 NO2

 Presence Pate Units(D):
 1000 Cellege

Process Rate Units(D): 1000 Gallons
Emission Factor(D): 0.036600
Emission Factor Units(D): lbs/1000 Gallons

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

O
INDR

Not reported

0.0000

CO

Process Rate Units(E): 1000 Gallons
Emission Factor(E): 0.036600
Emission Factor Units(E): lbs/1000 Gallons

 Cal Method(E):
 O

 Emission Factor Source(E):
 INDR

 Control Efficiency(E):
 Not reported

 Tons(E):
 0.0000

 Pollutant(E):
 VOC

Process Rate Units(F): 1000 Gallons
Emission Factor(F): 0.600000
Emission Factor Units(F): lbs/1000 Gallons

 Cal Method(F):
 O

 Emission Factor Source(F):
 AP4TH

 Control Efficiency(F):
 Not reported

 Tons(F):
 0.0000

 Pollutant(F):
 SO2

Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Pollutant(I):

Process Rate Units(J):

Emission Factor Units(J):

Emission Factor(J):

Cal Method(J):

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Not reported Emission Factor Units(K): Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported Not reported PRIMARY KEY FOR SITE: PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: -108.48906 Longitude:

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES. ENTERED BY D. LINKENBACH 3/10, 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HYDROGEN PLANT

Point: 39

Segment Description: HYDROGEN PLANT

30600199 SCC: Annual Process Rate: 8760 Process Rate Units(A): Hrs 0.107500 Emission Factor(A): Emission Factor Units(A): lbs/hr Cal Method(A): С Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): 0.4709

Pollutant(A): VOC Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Not reported Cal Method(B): Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Not reported Cal Method(C): Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Not reported Tons(C): Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Not reported Emission Factor Units(G): Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(J): Not reported Not reported Emission Factor Units(J): Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 45.780642 Latitude: Longitude: -108.48906

CONOCOPHILLIPS COMPANY Mailing Company: Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10 Plant Comment:

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: FRACTIONTR FD FRNC H8402

Point: 34

Segment Description: PRCSS HTR-PRCSS GAS H8402

SCC: 30600104 Annual Process Rate: 218 Process Rate Units(A): **MMCF** Emission Factor(A): 1.338500 Emission Factor Units(A): lbs/MMCF Cal Method(A): С

Emission Factor Source(A): MB

Control Efficiency(A): Not reported Tons(A): 0.1459 Pollutant(A): SO2 Process Rate Units(B): **MMCF** 2.800000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF

Cal Method(B): Emission Factor Source(B): AP4TH

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(B): Not reported 0.3052 Tons(B): Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 3.000000 Emission Factor Units(C): lbs/MMCF Cal Method(C): С AP4TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 0.3270 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 3.000000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.3270 Pollutant(D): Process Rate Units(E): **MMCF** 29.837800 Emission Factor(E): lbs/MMCF Emission Factor Units(E): Cal Method(E): С Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported 3.2523 Tons(E): Pollutant(E): NO₂ Process Rate Units(F): **MMCF** 61.000000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 6.6490 Pollutant(F): CO Process Rate Units(G): Not reported

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Not reported Process Rate Units(H): Emission Factor(H): Not reported Not reported Emission Factor Units(H): Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude: 45.780642

Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN (406) 255-2626 **Emissions Contact Phone:**

Year Of Inventory: 2009

CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10 Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HYDROGEN PLNT PROCESS HTR

Point: 35

PRCSS HTR-NAT'L GAS H9401 Segment Description:

30600105 SCC: Annual Process Rate: 507 Process Rate Units(A): **MMCF** Emission Factor(A): 29.932900

Emission Factor Units(A): lbs/MMCF Cal Method(A): C Emission Factor Source(A): MB Control Efficiency(A): 50.0000 Tons(A): 7.5880 Pollutant(A): NO₂ Process Rate Units(B): MMCF Emission Factor(B): 0.600000

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): AP4TH Control Efficiency(B): Not reported Tons(B): 0.1521 Pollutant(B): SO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 2.800000 Emission Factor Units(C): lbs/MMCF Cal Method(C): AP4TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 0.7098 Pollutant(C): VOC Process Rate Units(D): **MMCF** Emission Factor(D): 3.000000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 0.7605 Pollutant(D): PM10 Process Rate Units(E): MMCF Emission Factor(E): 61.000000 lbs/MMCF Emission Factor Units(E): Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 15.4635 Pollutant(E): CO Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Not reported Control Efficiency(F): Not reported Tons(F): Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G):

Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported Not reported PRIMARY KEY FOR PERMITTEE:

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

 Spt Type/Emissions:
 CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

 Plant Comment:
 UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: MISC. GAS EQUIPMENT

Point: 40

Segment Description: MISC DIESEL EQUIPMENT

SCC: 20200102

Annual Process Rate: 111

Process Rate Units(A): 1000 Gallons

Emission Factor(A): 6.648600

Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A): C
Emission Factor Source(A): AP4TH
Control Efficiency(A): Not reported
Tons(A): 0.3690

MAP FINDINGS Map ID Direction

Distance Elevation

Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(A): SO₂

Process Rate Units(B): 1000 Gallons Emission Factor(B): 12.486500 Emission Factor Units(B): lbs/1000 Gallons

Cal Method(B): Emission Factor Source(B): AP4TH Control Efficiency(B): Not reported Tons(B): 0.6930 Pollutant(B): PM10 Process Rate Units(C): 1000 Gallons Emission Factor(C): 14.090100 lbs/1000 Gallons Emission Factor Units(C):

Cal Method(C): Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 0.7820 Pollutant(C): VOC

Process Rate Units(D): 1000 Gallons Emission Factor(D): 38.252300 Emission Factor Units(D): lbs/1000 Gallons

Cal Method(D):

С AP4TH Emission Factor Source(D): Control Efficiency(D): Not reported Tons(D): 2.1230 Pollutant(D): CO

Process Rate Units(E): 1000 Gallons Emission Factor(E): 177.603600 Emission Factor Units(E): lbs/1000 Gallons

Cal Method(E): AP4TH Emission Factor Source(E): Control Efficiency(E): Not reported Tons(E): 9.8570 Pollutant(E): NO₂ Process Rate Units(F): Not reported

Not reported Emission Factor(F): Emission Factor Units(F): Not reported Not reported Cal Method(F): Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported

Process Rate Units(G): Not reported Emission Factor(G): Not reported Not reported Emission Factor Units(G): Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported

Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN
Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #23

Point: 20

Segment Description: HEATER #23 - (FUEL) GAS

SCC: 30600104
Annual Process Rate: 240
Process Rate Units(A): MMCF
Emission Factor(A): 0.9214
Emission Factor Units(A): lbs/MMCF

Cal Method(A):

Distance Elevation Sit

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(A): MB Not reported Control Efficiency(A): 0.1106 Tons(A): Pollutant(A): SO2 Process Rate Units(B): **MMCF** Emission Factor(B): 5.5000 lbs/MMCF Emission Factor Units(B): Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.6600 Pollutant(B): VOC Process Rate Units(C): MMCF Emission Factor(C): 7.6000 lbs/MMCF Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.9120 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.9120 Pollutant(D): **MMCF** Process Rate Units(E): Emission Factor(E): 84.0000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 10.0800 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 lbs/MMCF Emission Factor Units(F): Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 12.0000 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported

Tons(G): Pollutant(G):

Process Rate Units(H):

Emission Factor Units(H):

Emission Factor Source(H):

Emission Factor(H):

Cal Method(H):

Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(H): Not reported Not reported Tons(H): Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
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Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: FCC UNIT

Point: 22

Segment Description: FCC UNIT SCC: 30600201
Annual Process Rate: 6298

Process Rate Units(A): 1000 Barrels

Direction Distance Elevation

n Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(A): 12.095900 Emission Factor Units(A): lb/1000 bbl

 Cal Method(A):
 C

 Emission Factor Source(A):
 CEM

 Control Efficiency(A):
 50.0000

 Tons(A):
 38.0900

 Pollutant(A):
 SO2

 Process Rate Units(B):
 1000Barr

Process Rate Units(B): 1000Barrels
Emission Factor(B): 20.929500
Emission Factor Units(B): lb/1000 bbl

 Cal Method(B):
 C

 Emission Factor Source(B):
 STD

 Control Efficiency(B):
 95.5000

 Tons(B):
 65.9070

 Pollutant(B):
 PT

Process Rate Units(C): 1000 Barrels
Emission Factor(C): 0.000500
Emission Factor Units(C): lb/1000 bbl

 Cal Method(C):
 C

 Emission Factor Source(C):
 INDR

 Control Efficiency(C):
 99.9000

 Tons(C):
 0.0016

 Pollutant(C):
 VOC

Process Rate Units(D): 1000 Barrels
Emission Factor(D): 5.026700
Emission Factor Units(D): lb/1000 bbl

 Cal Method(D):
 C

 Emission Factor Source(D):
 CEM

 Control Efficiency(D):
 99.9000

 Tons(D):
 15.8291

 Pollutant(D):
 CO

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(F):

Cal Method(F):

1000 Barrels

16.808200

Ib/1000 bbl

Cal Method(F):

C

 Cal Method(E):
 C

 Emission Factor Source(E):
 CEM

 Control Efficiency(E):
 Not reported

 Tons(E):
 52.9290

 Pollutant(E):
 NO2

 Pressure Rate Units(F):
 1000 Regrate

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

Cal Method(F):

1000 Barrels

17.714500

Ib/1000 bbl

C

Emission Factor Source(F):

Control Efficiency(F): Not reported 55.7830 Tons(F): Pollutant(F): PM10 Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Tons(G): Not reported Pollutant(G):

Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Not reported Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 -108.48906 Longitude:

CONOCOPHILLIPS COMPANY Mailing Company: Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: Plant Comment: UPDATED BY J. HUGHES. ENTERED BY D. LINKENBACH 3/10, 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

Point Name: STORAGE TANKS

Point:

Segment Description: TANKS - CRUDE, DISTL

Distance Elevation Site

Database(s)

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

SCC: 40301199 Annual Process Rate: 61262 Process Rate Units(A): 1000 Barrels Emission Factor(A): 0.000000 Emission Factor Units(A): lb/1000 bbl Cal Method(A): Emission Factor Source(A): **TANKS** Control Efficiency(A): Not reported 15.2400 Tons(A): Pollutant(A): VOC Process Rate Units(B): Not reported Not reported Emission Factor(B): Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Not reported Tons(B): Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Not reported Emission Factor(E): Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Not reported Pollutant(E): Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported

Tons(G):

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911 - Petroleum Refining 324110 - Petroleum Refineries

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2009

Spt Type/Emissions: CO 517.1687 PT 121.9219 NH3 19.7441 NO2 568.1487 SO2 126.6708 VOC 417.2851 PM10

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/10. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401. RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Distance
Elevation Site Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Point Name: BULK LOADING-GASOLINE

Point: 25

Segment Description: BULK LOADING-GASOLINE

 SCC:
 40400199

 Annual Process Rate:
 57017

 Process Rate Units(A):
 1000 Gallons

 Emission Factor(A):
 0.000000

 Emission Factor Units(A):
 lbs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Not reported

0.0000

Pollutant(A):

VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Not reported Cal Method(B): Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Not reported Control Efficiency(D): Not reported Tons(D): Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Not reported Pollutant(E): Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported

Not reported

Not reported

Not reported

Emission Factor(G):

Cal Method(G):

Emission Factor Units(G):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Not reported Mailing Zip:

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: FOUR BOILERS

Distance

Elevation Site Database(s) EPA ID Number

lbs/1000 Gallons

lbs/1000 Gallons

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Point:

Segment Description: 4 BOILERS-OIL FUEL

 SCC:
 10200401

 Annual Process Rate:
 210

 Process Rate Units(A):
 1000 Gallons

 Emission Factor(A):
 5.000000

 Emission Factor Units(A):
 lbs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

Process Rate Units(B):

C

AP4TH

Not reported

0.5250

CO

1000 Gallons

Emission Factor (B): 1000 Gallons
Emission Factor Units(B): 20.000000
Emission Factor Units(B): lbs/1000 Gallons

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Control Efficiency(B):

Not reported 2.1000

NO2

1000 Gallons

Emission Factor (C): 1.500000
Emission Factor Units(C): lbs/1000 Gallons

 Cal Method(C):
 C

 Emission Factor Source(C):
 AP5TH

 Control Efficiency(C):
 Not reported

 Tons(C):
 0.1575

 Pollutant(C):
 PM-CON

 Process Rate Units(D):
 1000 Gallons

 Emission Factor(D):
 3.104400

Emission Factor Units(D):

Emission Factor Units(E):

 Cal Method(D):
 C

 Emission Factor Source(D):
 AP4TH

 Control Efficiency(D):
 Not reported

 Tons(D):
 0.3260

 Pollutant(D):
 PM10-FIL

 Process Rate Units(E):
 1000 Gallons

 Emission Factor(E):
 3.851500

 Cal Method(E):
 C

 Emission Factor Source(E):
 AP5TH

 Control Efficiency(E):
 Not reported

 Tons(E):
 0.4044

 Pollutant(E):
 PM25-FIL

 Process Rate Units(F):
 1000 Gallons

 Emission Factor(F):
 12.000000

Emission Factor(F): 12.000000
Emission Factor Units(F): lbs/1000 Gallons
Cal Method(F): C

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

AP4TH

Not reported

1.2600

PT

Process Rate Units(G): 1000 Gallons
Emission Factor(G): 302.238100
Emission Factor Units(G): lbs/1000 Gallons

Cal Method(G): C
Emission Factor Source(G): CEM

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(G):

Not reported

31.7350

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Emission Factor Units(H):

D.760000

Ibs/1000 Gallons

Cal Method(H): C Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.0798 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Not reported Pollutant(K): SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported

111-0011 Airs Number: Latitude: Not reported Longitude: Not reported Not reported Mailing Company: Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

PRIMARY KEY FOR PERMITTEE:

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Not reported

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: FOUR BOILERS

Point: 1

Direction Distance Elevation

on Site Database(s) EPA ID Number

300.423100

lbs/MMCF

CONOCOPHILLIPS COMPANY (Continued)

Emission Factor(B):

Emission Factor Units(B):

S110302539

EDR ID Number

Segment Description: 4 BOILERS-PROCESS GAS SCC: 10200701 Annual Process Rate: 1352 Process Rate Units(A): MMCF Emission Factor(A): 86.125700 lbs/MMCF Emission Factor Units(A): Cal Method(A): C Emission Factor Source(A): CEM Control Efficiency(A): Not reported Tons(A): 58.2210 Pollutant(A): CO Process Rate Units(B): **MMCF**

Cal Method(B): Emission Factor Source(B): STDR Control Efficiency(B): Not reported 203.0860 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): **MMCF** 5.700000 Emission Factor(C): lbs/MMCF Emission Factor Units(C): Cal Method(C): С

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 3.8532 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Cal Method(E):

Not reported
1.2844

PM10-FIL

MMCF

1.900000

Ibs/MMCF

Cal Method(E):

C

Emission Factor Source(E):

Control Efficiency(E):

Not reported
1.2844

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Cal Method(F):

AP5TH

Not reported
1.2844

PM25-FIL

MMCF

7.600000

Ibs/MMCF

C

AP4TH Emission Factor Source(F): Control Efficiency(F): Not reported 5.1376 Tons(F): Pollutant(F): PT Process Rate Units(G): **MMCF** 1.471900 Emission Factor(G): lbs/MMCF Emission Factor Units(G): Cal Method(G): C

 $\begin{tabular}{lll} Emission Factor Source(G): & CEM \\ Control Efficiency(G): & Not reported \\ \end{tabular}$

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(G): 0.9950 Pollutant(G): SO₂ Process Rate Units(H): MMCF Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 3.7180 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #1

Point: 2

Segment Description: HEATER #1 - (FUEL) GAS

MAP FINDINGS Map ID Direction

Distance Elevation Site

Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

SCC: 30600104 Annual Process Rate: 206 Process Rate Units(A): MMCF Emission Factor(A): 1.480000 Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): STD Control Efficiency(A): Not reported Tons(A): 0.1524 Pollutant(A): CO **MMCF** Process Rate Units(B): Emission Factor(B): 15.548100 Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): STD Control Efficiency(B): Not reported 1.6015 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): MMCF 5.700000 Emission Factor(C): Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.5871 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.1957 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.1957 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.7828 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.242700 lbs/MMCF Emission Factor Units(G): Cal Method(G):

Emission Factor Source(G): Control Efficiency(G):

Tons(G):

MB

0.1280

Not reported

TC4387262.2s Page 460

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Pollutant(G): SO₂ **MMCF** Process Rate Units(H): Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.5665 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Not reported Longitude: Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #2

Point:

Segment Description: HEATER #2 - (FUEL) GAS

SCC: 30600104

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Annual Process Rate: 0 MMCF Process Rate Units(A): Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): CO Process Rate Units(B): **MMCF** 100.000000 Emission Factor(B): lbs/MMCF Emission Factor Units(B): Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 7.600000 Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 Emission Factor Units(D): lbs/MMCF Cal Method(D): AP5TH Emission Factor Source(D): Control Efficiency(D): Not reported Tons(D): 0.0000 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** 7.600000 Emission Factor(E): Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): MMCF Emission Factor(F): 7.600000 lbs/MMCF Emission Factor Units(F): Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported 0.0000 Tons(F): Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 2.125000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported

0.0000

SO2

Tons(G):

Pollutant(G):

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(H): **MMCF** 5.500000 Emission Factor(H): Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.0000 VOC Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2012

CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9 Spt Type/Emissions:

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

HEATER #4 Point Name:

Point:

HEATER #4 - (FUEL) GAS Segment Description:

SCC: 30600104

Annual Process Rate:

Distance Elevation Si

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(A): **MMCF** 84.000000 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A): С Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 7.600000 Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С AP5TH Emission Factor Source(D): Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 7.600000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported 0.0000 Tons(E): PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0000 Pollutant(F): PT **MMCF** Process Rate Units(G):

 Emission Factor Source(G):
 MB

 Control Efficiency(G):
 Not reported

 Tons(G):
 0.0000

 Pollutant(G):
 SO2

 Process Rate Units(H):
 MMCF

1.406700 lbs/MMCF

Emission Factor(G):

Cal Method(G):

Emission Factor Units(G):

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor(H): 5.500000 lbs/MMCF Emission Factor Units(H): Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 0.0000 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported Not reported PRIMARY KEY FOR SITE: PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9 Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #5

Point:

Segment Description: HEATER#5 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 10 Process Rate Units(A): **MMCF**

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(A): 84.000000 lbs/MMCF Emission Factor Units(A): Cal Method(A): С Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported 0.4200 Tons(A): Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 Emission Factor Units(B): lbs/MMCF Cal Method(B): С AP5TH Emission Factor Source(B): Control Efficiency(B): Not reported

 Emission Factor Source(B):
 AP5TH

 Control Efficiency(B):
 Not reporte

 Tons(B):
 0.5000

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 Ibs/MMCF

 Cal Method(C):
 C

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0285 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): C Emission Factor Source(D): AP5TH

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

Cantrol Efficiency(D):

Not reported

Not reported

1.00095

PM10-FIL

MMCF

1.900000

Ibs/MMCF

C

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0095 PM25-FIL Pollutant(E): Process Rate Units(F): MMCF Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С

AP5TH

Control Efficiency(F):

Tons(F):

Pollutant(F):

Process Rate Units(G):

Emission Factor(G):

Emission Factor Units(G):

Cal Method(G):

Not reported

MMCF

PT

PT

MMCF

1.272700

Ibs/MMCF

Cal Method(G):

C

Emission Factor Source(F):

Emission Factor Source(G):

Control Efficiency(G):

Not reported

10.0064

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

MB

Not reported

0.0064

SO2

MMCF

5.500000

Distance
Elevation Site

Database(s)

EDR ID Number EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.0275 VOC Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen Emissions Contact Phone: Not reported

Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: COKER HEATER

 Point:
 6

 Segment Description:
 H-3901

 SCC:
 30600106

 Annual Process Rate:
 855

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(A): lbs/MMCF Cal Method(A): С Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 35.9100 Pollutant(A): CO Process Rate Units(B): MMCF Emission Factor(B): 44.208200 Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): STD 50.0000 Control Efficiency(B): 18.8990 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Not reported Control Efficiency(C): Tons(C): 2.4368 PM-CON Pollutant(C): Process Rate Units(D): MMCF Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): C Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.8123 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Not reported Control Efficiency(E): Tons(E): 0.8123 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): C Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 3.2490 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.246800 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB

Control Efficiency(G):

Not reported
Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Emission Factor Units(H):

Not reported
MMCF

SO2

MMCF

5.500000

Ibs/MMCF

Distance
Elevation Site Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Cal Method(H):

Emission Factor Source(H):

Control Efficiency(H):

Not reported
Tons(H):

Pollutant(H):

Process Rate Units(I):

C

AP5TH

Not reported

Not reported

Not reported

Not reported Emission Factor(I): Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen Emissions Contact Phone: Not reported

Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #10

Point:

Segment Description: HEATER #10 - (FUEL) GAS

SCC: 30600104
Annual Process Rate: 144
Process Rate Units(A): MMCF
Emission Factor(A): 84.000000
Emission Factor Units(A): lbs/MMCF

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(A): С Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 6.0480 Pollutant(A): CO MMCF Process Rate Units(B): Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported 7.2000 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): **MMCF** 5.700000 Emission Factor(C): Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.4104 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.1368 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.1368 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 lbs/MMCF Emission Factor Units(F): Cal Method(F): C Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.5472 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.250000 lbs/MMCF Emission Factor Units(G): Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.0900 Pollutant(G): SO₂ Process Rate Units(H): **MMCF**

5.500000

lbs/MMCF

С

Emission Factor(H):

Cal Method(H):

Emission Factor Units(H):

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 0.3960 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Not reported Latitude: Not reported Longitude: Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen Emissions Contact Phone: Not reported

Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #11

Point:

Segment Description: HEATER #11 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 328

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A):

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported 13.7760 Tons(A): Pollutant(A): CO MMCF Process Rate Units(B): 100.000000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported 16.4000 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): MMCF Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.9348 PM-CON Pollutant(C): Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.3116 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.3116 Pollutant(E): PM25-FIL Process Rate Units(F): MMCF Emission Factor(F): 7.600000 lbs/MMCF Emission Factor Units(F): Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 1.2464 РΤ Pollutant(F): Process Rate Units(G): **MMCF** Emission Factor(G): 1.250000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С

Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.2050 Pollutant(G): SO2 MMCF Process Rate Units(H): Emission Factor(H): 5.500000 lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(H): Not reported 0.9020 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Not reported Longitude: Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Not reported Mailing State: Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #12

Point:

Segment Description: 00524 #12 - (FUEL) GAS

SCC: 30600104

Annual Process Rate: 460

Process Rate Units(A): MMCF

Emission Factor(A): 84.000000

Emission Factor Units(A): lbs/MMCF

Cal Method(A): C

Emission Factor Source(A): AP5TH

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(A): Not reported 19.3200 Tons(A): Pollutant(A): CO Process Rate Units(B): **MMCF** 100.000000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 23.0000 Pollutant(B): NO₂ Process Rate Units(C): MMCF Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): AP5TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 1.3110 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.4370 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.4370 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 1.7480 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.250000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.2875 Pollutant(G): SO₂ Process Rate Units(H): **MMCF** 5.500000 Emission Factor(H): Emission Factor Units(H): lbs/MMCF

C

AP5TH

Not reported

Cal Method(H):

Emission Factor Source(H):

Control Efficiency(H):

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(H): 1.2650 VOC Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Not reported Emission Factor Source(I): Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Not reported Longitude: Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #13

Point:

Segment Description: HEATER #13 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 34 Process Rate Units(A): **MMCF** 84.000000 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A): C Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported

Distance Elevation Site

Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(A): 1.4280 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 1.7000 Pollutant(B): NO₂ **MMCF** Process Rate Units(C): Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported 0.0969 Tons(C): Pollutant(C): PM-CON Process Rate Units(D): MMCF 1.900000 Emission Factor(D): Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0323 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0323 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.1292 Pollutant(F): Process Rate Units(G): **MMCF** 1.250000 Emission Factor(G): Emission Factor Units(G): lbs/MMCF Cal Method(G): С

Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.0213 SO2 Pollutant(G): Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 lbs/MMCF Emission Factor Units(H): Cal Method(H): AP5TH Emission Factor Source(H):

Control Efficiency(H): Not reported Tons(H): 0.0935

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

VOC Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #14

Point: 11

Segment Description: HEATER #14 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 66 Process Rate Units(A): MMCF Emission Factor(A): 84.000000 lbs/MMCF Emission Factor Units(A): Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 2.7720

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 3.3000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** 5.700000 Emission Factor(C): lbs/MMCF Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.1881 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0627 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): AP5TH Emission Factor Source(E): Control Efficiency(E): Not reported Tons(E): 0.0627 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** 7.600000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.2508 Pollutant(F): PT Process Rate Units(G): **MMCF** 1.250000 Emission Factor(G): lbs/MMCF Emission Factor Units(G): Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported

Tons(G): 0.0413 Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.1815 Pollutant(H): VOC

Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory:

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

HEATER #15 Point Name:

Point:

Segment Description: HEATER #15 - (FUEL) GAS

SCC: 30600104 Annual Process Rate:

Process Rate Units(A): **MMCF** Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A):

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 0.1680 Pollutant(A): CO

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(B): **MMCF** 100.000000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.2000 Pollutant(B): NO₂ Process Rate Units(C): MMCF Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0114 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** 1.900000 Emission Factor(D): Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0038 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С AP5TH Emission Factor Source(E): Control Efficiency(E): Not reported 0.0038 Tons(E): Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0152 Pollutant(F): PT MMCF Process Rate Units(G): Emission Factor(G): 1.250000 Emission Factor Units(G): lbs/MMCF Cal Method(G): C Emission Factor Source(G): MB

Control Efficiency(G): Not reported Tons(G): 0.0025 Pollutant(G): SO2 Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.0110 Pollutant(H): VOC Process Rate Units(I): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Lonaitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #16

Point: 13

Segment Description: HEATER #16 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 160 Process Rate Units(A): **MMCF** Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A): AP4TH Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 6.7200 Pollutant(A): CO Process Rate Units(B): **MMCF**

Distance Elevation

Site Database(s) **EPA ID Number**

S110302539

EDR ID Number

CONOCOPHILLIPS COMPANY (Continued) Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported 8.0000 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): C Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.4560 PM-CON Pollutant(C): Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.1520

Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.1520 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000

Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.6080 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.250000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.1000 Tons(G): Pollutant(G): SO₂ Process Rate Units(H): **MMCF** 5.500000 Emission Factor(H): Emission Factor Units(H): lbs/MMCF

Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.4400 Pollutant(H): VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2012

CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9 Spt Type/Emissions:

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #17

Point:

HEATER #17 - (FUEL) GAS Segment Description:

30600104 SCC: Annual Process Rate: 313 Process Rate Units(A): **MMCF** 84.000000 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 13.1460

Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 15.6500 Pollutant(B): NO₂ Process Rate Units(C): MMCF Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): AP5TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 0.8921 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.2974 PM10-FIL Pollutant(D): Process Rate Units(E): MMCF Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.2974 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Not reported Control Efficiency(F): 1.1894 Tons(F): Pollutant(F): PT Process Rate Units(G): **MMCF** 1.250000 Emission Factor(G): lbs/MMCF Emission Factor Units(G): Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.1956

Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 0.8608 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported

Direction
Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Not reported Emission Factor(J): Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Not reported Longitude: Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #18

Point: 15

Segment Description: HEATER #18 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 300 Process Rate Units(A): **MMCF** Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 12.6000 Pollutant(A): CO

Process Rate Units(B): MMCF
Emission Factor(B): 100.000000
Emission Factor Units(B): lbs/MMCF

Distance Elevation

Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 15.0000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C): Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.8550 PM-CON Pollutant(C): Process Rate Units(D): **MMCF** 1.900000 Emission Factor(D): Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported

Tons(D): 0.2850 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.2850 Pollutant(E): PM25-FIL

Process Rate Units(F): Emission Factor(F):

Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Not reported Control Efficiency(F): 1.1400 Tons(F): Pollutant(F): Process Rate Units(G): **MMCF** 1.250000 Emission Factor(G): Emission Factor Units(G): lbs/MMCF Cal Method(G): С

MMCF

7.600000

Emission Factor Source(G): MB Control Efficiency(G): Not reported

Tons(G): 0.1875 Pollutant(G): SO₂ Process Rate Units(H): MMCF Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.8250 Pollutant(H): VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Not reported Emission Factor Units(J): Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Not reported Mailing Company: Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory:

CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9 Spt Type/Emissions: Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #19

Point:

Segment Description: HEATER #19 - (FUEL) GAS

30600104 SCC: Annual Process Rate: 0

MMCF Process Rate Units(A): Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A): C Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 Emission Factor Units(B): lbs/MMCF

Cal Method(B): С

Distance Elevation

Site Database(s) **EPA ID Number**

S110302539

EDR ID Number

CONOCOPHILLIPS COMPANY (Continued) Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported 0.0000 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported 0.0000 Tons(C): Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 lbs/MMCF Emission Factor Units(D): Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0000 PM10-FIL Pollutant(D): Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported

Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F):

Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0000 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.310700 lbs/MMCF Emission Factor Units(G): Cal Method(G): С Emission Factor Source(G): MB

Control Efficiency(G): Not reported Tons(G): 0.0000 Pollutant(G): SO₂ Process Rate Units(H): MMCF 5.500000 Emission Factor(H): Emission Factor Units(H): lbs/MMCF Cal Method(H):

Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 0.0000 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen
Emissions Contact Phone: Not reported
Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

AP5TH

Point Name: HEATER #20

Point: 17

Segment Description: HEATER #20 - (FUEL) GAS

SCC: 30600104

Annual Process Rate: 13

Process Rate Units(A): MMCF

Emission Factor(A): 84.000000

Emission Factor Units(A): lbs/MMCF

Cal Method(A): C

Emission Factor Source(A): AP5TH

Emission Factor Source(A):

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

AP5TH

Not reported

Not reported

10.5460

CO

Process Rate Units(B):

MMCF

100.000000

Ibs/MMCF

C

Emission Factor Source(B):

Distance Elevation

on Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(B): Not reported 0.6500 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): MMCF Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): C Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0371 PM-CON Pollutant(C): Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): AP5TH Emission Factor Source(D): Control Efficiency(D): Not reported Tons(D): 0.0124 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 lbs/MMCF Emission Factor Units(E): Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0124 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0494 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.250000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported 0.0081 Tons(G): Pollutant(G): SO2

Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.0358 Pollutant(H): VOC Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Cal Method(I): Not reported

Not reported

Not reported

Emission Factor Source(I):

Control Efficiency(I):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HEATER #21

Point: 18

Segment Description: HEATER #21 - (FUEL) GAS

SCC: 30600104

Annual Process Rate: 279

Process Rate Units(A): MMCF

Emission Factor (A): 84.000000

Emission Factor Units(A): lbs/MMCF

Cal Method(A): C

Emission Factor Source(A): APETH

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported 11.7180 Tons(A): Pollutant(A): CO Process Rate Units(B): **MMCF** 100.000000 Emission Factor(B): lbs/MMCF Emission Factor Units(B): Cal Method(B): C Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported

Distance Elevation

Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(B): 13.9500 Pollutant(B): NO₂ Process Rate Units(C): MMCF Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.7952 Pollutant(C): PM-CON **MMCF** Process Rate Units(D): Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.2651 Pollutant(D): PM10-FIL Process Rate Units(E): MMCF Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.2651 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 1.0602 Pollutant(F): PT MMCF Process Rate Units(G): Emission Factor(G): 1.250000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB Not reported Control Efficiency(G): Tons(G): 0.1744 Pollutant(G): SO2 MMCF Process Rate Units(H): Emission Factor(H): 5.500000 lbs/MMCF Emission Factor Units(H):

Cal Method(H): AP5TH

Emission Factor Source(H): Control Efficiency(H): Not reported Tons(H): 0.7673 Pollutant(H): VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(I): Not reported Not reported Process Rate Units(J): Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

14.7000

Point Name: HEATER #23

Point: 20

Segment Description: HEATER #23 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 294

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 12.3480 Pollutant(A): CO Process Rate Units(B): **MMCF** 100.000000 Emission Factor(B): lbs/MMCF Emission Factor Units(B): Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported

Tons(B):

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(B): NO₂ **MMCF** Process Rate Units(C): Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.8379 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 lbs/MMCF Emission Factor Units(D): Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.2793 Pollutant(D): PM10-FIL Process Rate Units(E): MMCF Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.2793 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH

Emission Factor(F):

Mission Factor Units(F):

Cal Method(F):

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Process Rate Units(G):

Emission Factor (G):

Emission Factor Units(G):

Cal Method(G):

Emission Factor Source(G):

Mission Factor Units(F):

Mission Factor Source(G):

Mission

Control Efficiency(G):

Not reported
Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Cal Method(H):

Emission Factor Source(H):

AP5TH

Not reported

NMCF

SO2

PMCF

Emission Factor Units(H):

C

Emission Factor Source(H):

AP5TH

Emission Factor Source(H):

Control Efficiency(H):

Not reported
Tons(H):

Pollutant(H):

VOC

Process Rate Units(I):

Not reported

Emission Factor(I):

Emission Factor Units(I):

Cal Method(I):

Emission Factor Source(I):

Control Efficiency(I):

Tons(I):

Pollutant(I):

Not reported

Not reported

Not reported

Not reported

Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Process Rate Units(J): Not reported Not reported Emission Factor(J): Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2012

CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9 Spt Type/Emissions:

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

NO₂

Point Name: HEATER #24

Point:

Segment Description: HEATER #24 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 621 Process Rate Units(A): MMCF Emission Factor(A): 84.000000 lbs/MMCF Emission Factor Units(A): Cal Method(A): C

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 26.0820 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 31.0500

Pollutant(B):

Distance Elevation S

n Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(C): **MMCF** 5.700000 Emission Factor(C): Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 1.7699 PM-CON Pollutant(C): Process Rate Units(D): MMCF Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.5900 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.5900 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С AP5TH Emission Factor Source(F): Control Efficiency(F): Not reported 2.3598 Tons(F): Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.250000 lbs/MMCF Emission Factor Units(G): Cal Method(G): Emission Factor Source(G): MB Control Efficiency(G): Not reported 0.3881 Tons(G): Pollutant(G): SO2 Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP5TH

Control Efficiency(H): Not reported Tons(H): 1.7078 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported

Pollutant(I): Not reported Process Rate Units(J): Not reported

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor(J): Not reported Not reported Emission Factor Units(J): Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

FCC UNIT Point Name: 22 Point: Segment Description: **FCC UNIT** SCC: 30600201 5612 Annual Process Rate: Process Rate Units(A): 1000 Barrels Emission Factor(A): 16.144000 Emission Factor Units(A): lb/1000 bbl

Cal Method(A): C Emission Factor Source(A): CEM 99.9000 Control Efficiency(A): Tons(A): 45.3001 Pollutant(A): CO

Process Rate Units(B): 1000 Barrels Emission Factor(B): 11.261600 Emission Factor Units(B): lb/1000 bbl Cal Method(B): Emission Factor Source(B): CEM Control Efficiency(B): Not reported Tons(B): 31.6000 Pollutant(B): NO₂

Process Rate Units(C): 1000 Barrels

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(C): 4.574200 lb/1000 bbl Emission Factor Units(C): Cal Method(C): С Emission Factor Source(C): STD Control Efficiency(C): Not reported 12.8352 Tons(C): Pollutant(C): PM-CON Process Rate Units(D): 1000 Barrels Emission Factor(D): 9.135100 Emission Factor Units(D): lb/1000 bbl

Cal Method(D): С Emission Factor Source(D): STD Control Efficiency(D): Not reported Tons(D): 25.6331 PM10-FIL Pollutant(D): Process Rate Units(E): 1000 Barrels Emission Factor(E): 4.403900 Emission Factor Units(E): lb/1000 bbl Cal Method(E):

Emission Factor Source(E): STD

Control Efficiency(E):
Not reported
Tons(E):
12.3573
Pollutant(E):
Process Rate Units(F):
Emission Factor(F):
19.087000
Emission Factor Units(F):
Ib/1000 bbl

 Cal Method(F):
 C

 Emission Factor Source(F):
 STD

 Control Efficiency(F):
 95.5000

 Tons(F):
 53.5581

 Pollutant(F):
 PT

Process Rate Units(G): 1000 Barrels
Emission Factor(G): 7.145400
Emission Factor Units(G): lb/1000 bbl

 Cal Method(G):
 C

 Emission Factor Source(G):
 CEM

 Control Efficiency(G):
 50.0000

 Tons(G):
 20.0500

 Pollutant(G):
 SO2

Process Rate Units(H):

Emission Factor(H):

Cal Method(H):

1000 Barrels

0.000500

1b/1000 bbl

C

 Emission Factor Source(H):
 INDR

 Control Efficiency(H):
 99.9000

 Tons(H):
 0.0014

 Pollutant(H):
 VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Lonaitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Allen Eggen **Emissions Contact: Emissions Contact Phone:** Not reported Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: **FLARE** Point: 23 Segment Description: **FLARE** 30600999 SCC: Annual Process Rate: 230 Process Rate Units(A): **MMCF** Emission Factor(A): 376.782600 Emission Factor Units(A): lbs/MMCF Cal Method(A): С

Emission Factor Source(A): MB Control Efficiency(A): 0.0000 Tons(A): 43.3300 Pollutant(A): CO Process Rate Units(B): **MMCF** 69.243500 Emission Factor(B): lbs/MMCF Emission Factor Units(B): Cal Method(B): Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 7.9630 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 18.910000

Distance Elevation

vation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): **INDR** Control Efficiency(C): Not reported Tons(C): 2.1747 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 6.305000 Emission Factor Units(D): lbs/MMCF Cal Method(D): **INDR** Emission Factor Source(D): Control Efficiency(D): Not reported Tons(D): 0.7251 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 6.305000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): **INDR** Control Efficiency(E): Not reported Tons(E): 0.7251 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF**

Emission Factor(F): 25.220000 lbs/MMCF Emission Factor Units(F): Cal Method(F): C Emission Factor Source(F): **INDR** Control Efficiency(F): Not reported 2.9003 Tons(F): Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 221.913000 Emission Factor Units(G): lbs/MMCF Cal Method(G):

Emission Factor Source(G): MB Not reported Control Efficiency(G): 25.5200 Tons(G): Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 142.565200 lbs/MMCF Emission Factor Units(H): Cal Method(H): С

 Emission Factor Source(H):
 INDR

 Control Efficiency(H):
 0.0000

 Tons(H):
 16.3950

 Pollutant(H):
 VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Not reported Emission Factor Source(I): Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported 2012 Year Of Inventory:

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: STORAGE TANKS

Point: 24

Segment Description: **GASOLINE STORAGE TANKS**

SCC: 40399999 Annual Process Rate: 21287 1000 Barrels Process Rate Units(A): 13.868600 Emission Factor(A): Emission Factor Units(A): lb/1000 bbl

Cal Method(A): С

Emission Factor Source(A): **TANKS** Control Efficiency(A): Not reported 147.6104 Tons(A): VOC Pollutant(A):

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported

Distance Elevation Site

EDR ID Number Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Not reported Tons(C): Pollutant(C): Not reported Process Rate Units(D): Not reported Not reported Emission Factor(D): Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Not reported Tons(D): Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Not reported Cal Method(E): Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Not reported Emission Factor Source(I): Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported

Direction Distance Elevation

levation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Not reported Emission Factor Units(K): Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported Not reported PRIMARY KEY FOR SITE: PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: STORAGE TANKS

Point: 24

Segment Description: TANKS - CRUDE, DISTL

 SCC:
 40301199

 Annual Process Rate:
 63702

 Process Rate Units(A):
 1000 Barrels

 Emission Factor(A):
 1.755000

 Emission Factor Units(A):
 lb/1000 bbl

 Cal Method(A):
 C

Emission Factor Source(A): TANKS
Control Efficiency(A): Not reported
Tons(A): 55.8985
Pollutant(A): VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported

Distance
Elevation Site Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Not reported Tons(C): Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Not reported Emission Factor Units(D): Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

2911 - Petroleum Refining/324110 - Petroleum Refineries SIC/NAIC:

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Not reported

Point Name: **BULK LOADING-GASOLINE**

Point:

Segment Description: **BULK LOADING-GASOLINE**

40400199 SCC: Annual Process Rate: 56530 Process Rate Units(A): 1000 Gallons Emission Factor(A): 0.000000 lbs/1000 Gallons Emission Factor Units(A):

Cal Method(A): С Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): 0.0000 Pollutant(A): VOC Process Rate Units(B): Not reported

Emission Factor(B):

Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported

Distance
Elevation Site

EDR ID Number
Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Not reported Cal Method(D): Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Not reported Emission Factor Units(G): Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Not reported Pollutant(G): Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

2911 - Petroleum Refining/324110 - Petroleum Refineries SIC/NAIC:

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2012

CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9 Spt Type/Emissions:

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: FUGITIVE HC EMISSIONS

Point: 26

Segment Description: FUGITIVE HC EMISSION

SCC: 30688801 Annual Process Rate: 19552 Process Rate Units(A): 1000 Barrels Emission Factor(A): 26.513000 Emission Factor Units(A): lb/1000 bbl Cal Method(A): С **INDR** Emission Factor Source(A):

Control Efficiency(A): Not reported 259.1911 Tons(A): Pollutant(A): VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported

Distance Elevation Site

Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Not reported Tons(D): Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Not reported Emission Factor Source(F): Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Not reported Emission Factor(H): Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Pollutant(J): Not reported Not reported Process Rate Units(K): Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

JUPITER MAIN STACK Point Name:

Point: 28

Segment Description: ATS PRODUCTION

SCC: 30104002 Annual Process Rate: 96480 Process Rate Units(A): Ton 0.036500 Emission Factor(A): Emission Factor Units(A): lb/Ton Cal Method(A): Emission Factor Source(A): STD Control Efficiency(A): Not reported Tons(A): 1.7608 Pollutant(A): CO Process Rate Units(B): Ton

1.430800 Emission Factor(B): lb/Ton Emission Factor Units(B): Cal Method(B): С Emission Factor Source(B): STD

Control Efficiency(B): Not reported Tons(B): 69.0218 Pollutant(B): NO₂ Process Rate Units(C): Ton Emission Factor(C): 0.088900 Emission Factor Units(C): lb/Ton Cal Method(C): Emission Factor Source(C): STDR Control Efficiency(C): Not reported Tons(C): 4.2885

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(C): PM-CON Process Rate Units(D): Ton Emission Factor(D): 0.079500 Emission Factor Units(D): lb/Ton Cal Method(D): Emission Factor Source(D): **STDR** Control Efficiency(D): Not reported Tons(D): 3.8351 Pollutant(D): PM10-FIL Process Rate Units(E): Ton Emission Factor(E): 0.018100 Emission Factor Units(E): lb/Ton Cal Method(E): Emission Factor Source(E): **STDR** Control Efficiency(E): Not reported Tons(E): 0.8731 Pollutant(E): PM25-FIL Process Rate Units(F): Ton Emission Factor(F): 0.079500 Emission Factor Units(F): lb/Ton Cal Method(F): С Emission Factor Source(F): MB

Control Efficiency(F): Not reported Tons(F): 3.8351 Pollutant(F): PT Process Rate Units(G): Ton Emission Factor(G): 0.308100 Emission Factor Units(G): lb/Ton Cal Method(G): С Emission Factor Source(G): CEM Control Efficiency(G): Not reported Tons(G): 14.8627 Pollutant(G): SO2 Process Rate Units(H): Ton 0.000000 Emission Factor(H): Emission Factor Units(H): lb/Ton

Control Efficiency(H):

Tons(H):

Pollutant(H):

Process Rate Units(I):

Emission Factor(I):

Not reported

Not reported

Not reported

MB

Cal Method(H):

Emission Factor Source(H):

Not reported Emission Factor Units(I): Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported

Control Efficiency(J):

Tons(J):

Not reported
Not reported
Not reported
Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Lonaitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen Emissions Contact Phone: Not reported

Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: JUPITER MAIN STACK

Point: 28

Segment Description: ELEMENTAL SULFUR RECOVERY

 SCC:
 30103299

 Annual Process Rate:
 24194

 Process Rate Units(A):
 Tons (Long)

 Emission Factor (A):
 0.000000

 Emission Factor Units(A):
 lbs/Ton (Long)

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Not reported

Tons(A):

Pollutant(A):

CO

Tons (A):

Process Rate Units(B): Tons (Long)
Emission Factor(B): 0.000000
Emission Factor Units(B): lbs/Ton (Long)

Cal Method(B): C
Emission Factor Source(B): OTHER
Control Efficiency(B): Not reported
Tons(B): 0.0000
Pollutant(B): NO2

Process Rate Units(C): Tons (Long)
Emission Factor(C): 0.000000
Emission Factor Units(C): lbs/Ton (Long)

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

COTHER

Not reported

0.0000

PM-CON

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(D): Tons (Long)
Emission Factor(D): 0.000000
Emission Factor Units(D): lbs/Ton (Long)

Cal Method(D):

 Emission Factor Source(D):
 OTHER

 Control Efficiency(D):
 Not reported

 Tons(D):
 0.0000

 Pollutant(D):
 PM10-FIL

 Process Rate Units(E):
 Tons (Long)

 Emission Factor (E):
 0.000000

 Emission Factor Units(E):
 lbs/Ton (Long)

Cal Method(E): C

Emission Factor Source(E):

Control Efficiency(E):

Not reported
0.0000

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

DOTHER

Not reported
0.00000

PM25-FIL

Tons (Long)

Emission Factor Units(F):

Ibs/Ton (Long)

Cal Method(F):

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

OTHER

Not reported

0.0000

PT

Process Rate Units(G): Tons (Long)
Emission Factor(G): 0.000000
Emission Factor Units(G): lbs/Ton (Long)

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Not reported
0.0000

Pollutant(G):

SO2

Process Rate Units(H): Tons (Long)
Emission Factor(H): 0.000000
Emission Factor Units(H): lbs/Ton (Long)

Cal Method(H): C
Emission Factor Source(H): OTHER

Control Efficiency(H):

Tons(H):

Pollutant(H):

Not reported
0.0000
VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported

Emission Factor(J):

Emission Factor Units(J):

Cal Method(J):

Emission Factor Source(J):

Control Efficiency(J):

Tons(J):

Pollutant(J):

Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor(K): Not reported Not reported Emission Factor Units(K): Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: JUPITER FLARE

Point:

Segment Description: AMMONIUM SULFIDE PLANT

SCC: 30104002 Annual Process Rate: 9447 Process Rate Units(A): Ton Emission Factor(A): 0.000000 Emission Factor Units(A): lb/Ton Cal Method(A): Emission Factor Source(A): **OTHER**

Control Efficiency(A): Not reported 0.0000 Tons(A): Pollutant(A): CO Process Rate Units(B): Ton Emission Factor(B): 0.000000 Emission Factor Units(B): lb/Ton Cal Method(B): C Emission Factor Source(B): **OTHER** Control Efficiency(B): Not reported

Tons(B): 0.0000 Pollutant(B): NO2 Process Rate Units(C): Ton Emission Factor(C): 0.000000 Emission Factor Units(C): lb/Ton Cal Method(C): Emission Factor Source(C): OTHER Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM-CON Process Rate Units(D): Ton

Distance Elevation Site

Database(s)

Not reported Not reported

Not reported

Not reported

Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor(D): 0.000000 Emission Factor Units(D): lb/Ton Cal Method(D): С Emission Factor Source(D): **OTHER** Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): Ton Emission Factor(E): 0.000000 Emission Factor Units(E): lb/Ton Cal Method(E): C OTHER Emission Factor Source(E): Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): Ton Emission Factor(F): 0.000000 lb/Ton Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): OTHER Control Efficiency(F): Not reported Tons(F): 0.0000 Pollutant(F): PT Process Rate Units(G): Ton 0.813000 Emission Factor(G): Emission Factor Units(G): lb/Ton Cal Method(G): C Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 3.8402 SO2 Pollutant(G): Process Rate Units(H): Ton Emission Factor(H): 0.021200 Emission Factor Units(H): lb/Ton Cal Method(H): C Emission Factor Source(H): **INDR** Control Efficiency(H): Not reported Tons(H): 0.1001 VOC Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Not reported Emission Factor Source(I): Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J):

Emission Factor Source(J):

Control Efficiency(J):

Process Rate Units(K):

Emission Factor(K):

Tons(J):

Pollutant(J):

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen Emissions Contact Phone: Not reported

Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

12.000000

Point Name: PMA PROCESS HTR (H-3201)

Point: 32

Segment Description: PMA PROCESS HTR (H-3201)

SCC: 10200603

Annual Process Rate: 0

Process Rate Units(A): MMCF

Emission Factor(A): 15.000000

Emission Factor Units(A): Ibs/MMCF

Cal Method(A): C

Emission Factor Source(A): AP5TH

Control Efficiency(A): Not reported

Control Efficiency(A):

Not reporter

Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor (B):

Emission Factor Units(B):

Cal Method(B):

Emission Factor Source(B):

INDR

Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** 12.000000 Emission Factor(C): Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM-CON Process Rate Units(D): **MMCF**

Emission Factor(D):

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0000 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 12.000000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 12.000000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Not reported Control Efficiency(F): Tons(F): 0.0000 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 0.600000 lbs/MMCF Emission Factor Units(G): Cal Method(G): C Emission Factor Source(G): AP5TH Control Efficiency(G): Not reported 0.0000 Tons(G): Pollutant(G): SO2 Process Rate Units(H): MMCF Emission Factor(H): 5.767000 Emission Factor Units(H): lbs/MMCF Cal Method(H): **INDR** Emission Factor Source(H): Not reported Control Efficiency(H): Tons(H): 0.0000 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J):

Not reported

Not reported

Not reported

Not reported

Pollutant(J):

Process Rate Units(K):

Emission Factor Units(K):

Emission Factor(K):

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2012

CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9 Spt Type/Emissions:

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: RCYCL HYDRGN FRNC H-8401

Point:

Segment Description: PRCSS HTR-PRCSS GAS H8401

30600104 SCC: Annual Process Rate: 51 Process Rate Units(A): MMCF Emission Factor(A): 61.098000 Emission Factor Units(A): lbs/MMCF Cal Method(A):

Emission Factor Source(A): AP5TH Not reported Control Efficiency(A): 1.5580 Tons(A): Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 30.087000 Emission Factor Units(B): lbs/MMCF Cal Method(B): С

Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 0.7672 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 0.1454

Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF

Distance Elevation Site

Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Cal Method(D): С AP4TH Emission Factor Source(D): Control Efficiency(D): Not reported Tons(D): 0.0485 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 lbs/MMCF Emission Factor Units(E): Cal Method(E): С Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 0.0485 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** 7.600000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported 0.1938

Tons(F):

Process Rate Units(G):

Emission Factor (G):

Cal Method(G):

Emission Factor Source(G):

Not reported
Not repor

Control Efficiency(G):

Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Emission Factor Units(H):

Cal Method(H):

Not reported

MMCF

SO2

MMCF

2.800000

Ibs/MMCF

C

Emission Factor Source(H):

Control Efficiency(H):

Not reported
Tons(H):

Pollutant(H):

VOC

Process Rate Units(I):

Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported

Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

FRACTIONTR FD FRNC H8402 Point Name:

Point: 34

Segment Description: PRCSS HTR-PRCSS GAS H8402

SCC: 30600104 Annual Process Rate: 173 MMCF Process Rate Units(A): Emission Factor(A): 61.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): AP5TH

Control Efficiency(A): Not reported Tons(A): 5.2765 Pollutant(A): CO Process Rate Units(B): **MMCF** 30.000000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF Cal Method(B): С

Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 2.5950 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): C Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported

Tons(C): 0.4931 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF

Cal Method(D): С

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported 0.1644 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 0.1644 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.6574 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.250000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.1081 Pollutant(G): SO₂ **MMCF** Process Rate Units(H): Emission Factor(H): 2.800000 Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): AP4TH Control Efficiency(H): Not reported Tons(H): 0.2422 Pollutant(H): VOC Process Rate Units(I): Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported Not reported PRIMARY KEY FOR SITE: PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Not reported Longitude: Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen Emissions Contact Phone: Not reported

Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HYDROGEN PLNT PROCESS HTR Point: 35

Segment Description: PRCSS HTR-H9401 PSA GAS

 SCC:
 30600106

 Annual Process Rate:
 3023

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 19.000300

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): 28.7190 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 8.322200 lbs/MMCF Emission Factor Units(B): Cal Method(B): С

Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 12.5790 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH

Control Efficiency(C):

Not reported
Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor (D):

Cal Method(D):

Ca

Cal Method(D): C Emission Factor Source(D): AP5TH

Distance Elevation Site

Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(D): Not reported Tons(D): 2.8719 Pollutant(D): PM10-FIL Process Rate Units(E): MMCF Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 2.8719 Pollutant(E): PM25-FIL Process Rate Units(F): MMCF Emission Factor(F): 3.000000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): STDR Control Efficiency(F): Not reported Tons(F): 4.5345 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 0.000000 lbs/MMCF Emission Factor Units(G): Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.0000 Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 0.000000 Emission Factor Units(H): lbs/MMCF Cal Method(H): C Emission Factor Source(H): MB Control Efficiency(H): Not reported Tons(H): 0.0000 VOC Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported

Not reported Tons(I): Pollutant(I): Not reported Not reported Process Rate Units(J): Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(K): Not reported Pollutant(K): Not reported Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen
Emissions Contact Phone: Not reported
Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: HYDROGÉN PLNT PROCESS HTR
Point: 35
Segment Description: PRCSS HTR-NAT'L GAS H9401

 SCC:
 30600105

 Annual Process Rate:
 460

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 61.884700

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

 Emission Factor Source(A):
 AP5TH

Control Efficiency(A): Not reported Tons(A): 14.2335 Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 29.739100 Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): **STACK**

 Control Efficiency(B):
 50.0000

 Tons(B):
 6.8400

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 Ibs/MMCF

 Cal Method(C):
 C

 Cal Method(C):
 C

Emission Factor Source(C):

Control Efficiency(C):

Not reported
Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

Cal Method(D):

AP4TH

Not reported

Not reported

1.3110

PM-CON

MMCF

1.900000

Ibs/MMCF

Cal Method(D):

C

Emission Factor Source(D): AP4TH
Control Efficiency(D): Not reported

Distance Elevation Site

Site Database(s) EPA ID Number

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(D): 0.4370 PM10-FIL Pollutant(D): Process Rate Units(E): MMCF Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 0.4370 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported 1.7480 Tons(F): Pollutant(F): PT Process Rate Units(G): **MMCF** 0.600000 Emission Factor(G): Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): AP4TH Control Efficiency(G): Not reported 0.1380 Tons(G): Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 2.800000 Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP4TH Control Efficiency(H): Not reported Tons(H): 0.6440 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Not reported Emission Factor(J): Not reported Emission Factor Units(J): Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Not reported Emission Factor Units(K): Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported

Tons(K):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(K):

SITE ID SIC:

UNIQUE IDENTIFIER:

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR SITE:

PRIMARY KEY FOR PERMITTEE:

Not reported

Not reported

Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: COKE HANDLING EQUIP/STG

Point:

Segment Description: COKE HANDLING & TRANSFER

30501011 SCC: Annual Process Rate: 667532 Process Rate Units(A): Ton Emission Factor(A): 0.000000 Emission Factor Units(A): lb/Ton Cal Method(A): С Emission Factor Source(A): STDR Control Efficiency(A): 99.0000 Tons(A): 0.0000

Pollutant(A): PM-CON Process Rate Units(B): Ton Emission Factor(B): 0.003300 Emission Factor Units(B): lb/Ton Cal Method(B): Emission Factor Source(B): **INDR** 99.0000 Control Efficiency(B): Tons(B): 1.1014 Pollutant(B): PM10-FIL Process Rate Units(C): 0.003300 Emission Factor(C): Emission Factor Units(C): lb/Ton C

Cal Method(C): Emission Factor Source(C): **INDR** Control Efficiency(C): 99.0000 Tons(C): 1.1014 Pollutant(C): PM25-FIL Process Rate Units(D): Ton Emission Factor(D): 0.003300 Emission Factor Units(D): lb/Ton Cal Method(D): Emission Factor Source(D): **INDR** Control Efficiency(D): 99.0000 Tons(D): 1.1014

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(D): PT Not reported Process Rate Units(E): Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Not reported Control Efficiency(E): Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Not reported Emission Factor Source(H): Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K):

Not reported

Pollutant(K):

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

SITE ID SIC:

UNIQUE IDENTIFIER:

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR SITE:

PRIMARY KEY FOR PERMITTEE:

Not reported

Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen
Emissions Contact Phone: Not reported
Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Not reported

Point Name: HYDROGEN PLANT

Point: 39

Segment Description: HYDROGEN PLANT

SCC: 30600199 Annual Process Rate: 8760 Process Rate Units(A): Hrs Emission Factor(A): 0.107500 Emission Factor Units(A): lbs/hr Cal Method(A): С Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported 0.4709 Tons(A): Pollutant(A): VOC Process Rate Units(B): Not reported Not reported Emission Factor(B):

Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported

Pollutant(D):

Distance Elevation Site

Database(s)

EDR ID Number EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Not reported Cal Method(E): Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: MISC. GAS EQUIPMENT

Point: 40

Segment Description: MISC DIESEL EQUIPMENT

SCC: 20200102

Annual Process Rate: 161

Process Rate Units(A): 1000 Gallons

Emission Factor(A): 28.173900

Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

C

AP4TH

Not reported

2.2680

CO

Process Rate Units(B): 1000 Gallons
Emission Factor(B): 130.770200
Emission Factor Units(B): lbs/1000 Gallons

 Cal Method(B):
 C

 Emission Factor Source(B):
 AP4TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 10.5270

 Pollutant(B):
 NO2

Process Rate Units(C): 1000 Gallons
Emission Factor(C): 12.486500
Emission Factor Units(C): lbs/1000 Gallons

Cal Method(C): C Emission Factor Source(C): **STDR** Control Efficiency(C): Not reported Tons(C): 1.0052 Pollutant(C): PM-CON Process Rate Units(D): 1000 Gallons Emission Factor(D): 9.192500 Emission Factor Units(D): lbs/1000 Gallons

Cal Method(D): C
Emission Factor Source(D): INDR
Control Efficiency(D): Not reported
Tons(D): 0.7400
Pollutant(D): PM10-FIL
Process Rate Units(E): 1000 Gallons

Elevation Site

Distance

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(E): 12.486500 Emission Factor Units(E): 15.486500

Cal Method(E): С Emission Factor Source(E): **STDR** Control Efficiency(E): Not reported 1.0052 Tons(E): PM25-FIL Pollutant(E): Process Rate Units(F): 1000 Gallons Emission Factor(F): 6.648600 Emission Factor Units(F): lbs/1000 Gallons

Cal Method(F):

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

C

AP4TH

Not reported

0.5352

SO2

Process Rate Units(G): 1000 Gallons
Emission Factor(G): 10.372700
Emission Factor Units(G): lbs/1000 Gallons

Cal Method(G): C
Emission Factor Source(G): AP4TH
Control Efficiency(G): Not reported
Tons(G): 0.8350

Pollutant(G): VOC Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported

Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Not reported Control Efficiency(K): Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported

Not reported

Emission Factor Units(J):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Not reported Longitude: Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen
Emissions Contact Phone: Not reported
Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: MISC. GAS EQUIPMENT

Point: 40

Segment Description: MISC GAS EQUIPMENT

 SCC:
 20300301

 Annual Process Rate:
 37

 Process Rate Units(A):
 1000 Gallons

Emission Factor (A): 127.435900
Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

C

AP4TH

Not reported

2.3576

CO

Process Rate Units(B): 1000 Gallons
Emission Factor(B): 209.794900
Emission Factor Units(B): lbs/1000 Gallons

 Cal Method(B):
 C

 Emission Factor Source(B):
 AP4TH

 Control Efficiency(B):
 Not reported

 Tons(B):
 3.8812

 Pollutant(B):
 NO2

 Process Rate Units(C):
 1000 Gallons

 Emission Factor(C):
 13.176500

Emission Factor(C): 13.176500
Emission Factor Units(C): lbs/1000 Gallons
Cal Method(C): C

Emission Factor Source(C):

Control Efficiency(C):

Not reported
0.2438

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

DOTHER

Not reported
1.2438

PM-CON
1000 Gallons
12.871800

Ibs/1000 Gallons

 Cal Method(D):
 C

 Emission Factor Source(D):
 OTHER

 Control Efficiency(D):
 Not reported

 Tons(D):
 0.2381

 Pollutant(D):
 PM10-FIL

 Process Rate Units(E):
 1000 Gallons

 Emission Factor(E):
 13.176500

Distance
Elevation Site Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor Units(E): lbs/1000 Gallons

 Cal Method(E):
 C

 Emission Factor Source(E):
 OTHER

 Control Efficiency(E):
 Not reported

 Tons(E):
 0.2438

 Pollutant(E):
 PM25-FIL

 Process Rate Units(F):
 1000 Gallons

 Emission Factor(F):
 5.384600

Process Rate Units(G): 1000 Gallons
Emission Factor(G): 270.307700
Emission Factor Units(G): lbs/1000 Gallons

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Not reported
Tons(G):

5.0007

Pollutant(G): VOC Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported

Not reported

Not reported

Not reported

SITE ID SIC:

UNIQUE IDENTIFIER:

SEGMENT/POLLUTANT COMMENT:

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Not reported Longitude: Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: #5 HDS CHARGE HEATER

Point: 41

Segment Description: H-9501 - REF GAS

SCC: 30600106
Annual Process Rate: 69
Process Rate Units(A): MMCF
Emission Factor(A): 61.000000
Emission Factor Units(A): lbs/MMCF

Cal Method(A): C Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 2.1045 Pollutant(A): CO Process Rate Units(B): MMCF Emission Factor(B): 23.596000 Emission Factor Units(B): lbs/MMCF

 Cal Method(B):
 C

 Emission Factor Source(B):
 INDR

 Control Efficiency(B):
 Not reported

 Tons(B):
 0.8141

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 lbs/MMCF

Cal Method(C): С Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported 0.1967 Tons(C): Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 lbs/MMCF Emission Factor Units(D): Cal Method(D): AP4TH Emission Factor Source(D): Control Efficiency(D): Not reported Tons(D): 0.0656 Pollutant(D): PM10-FIL

Poliutant(D): PM10-FIL
Process Rate Units(E): MMCF
Emission Factor(E): 1.900000
Emission Factor Units(E): lbs/MMCF

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(E): С AP4TH Emission Factor Source(E): Control Efficiency(E): Not reported Tons(E): 0.0656 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP4TH Control Efficiency(F): Not reported Tons(F): 0.2622 Pollutant(F): PT Process Rate Units(G): **MMCF** 1.250000 Emission Factor(G): Emission Factor Units(G): lbs/MMCF Cal Method(G):

MB Emission Factor Source(G): Control Efficiency(G): Not reported Tons(G): 0.0431 Pollutant(G): SO2 Process Rate Units(H): MMCF Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): **INDR** Control Efficiency(H): Not reported Tons(H): 0.1898 VOC Pollutant(H):

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported

Not reported

PRIMARY KEY FOR SITE:

MAP FINDINGS Map ID

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Not reported Mailing City: Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2012

CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9 Spt Type/Emissions:

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: #5 HDS REBOILER HEATER

Point: 42

H-9502 - REF GAS Segment Description:

SCC: 30600104 Annual Process Rate: 263

Process Rate Units(A): MMCF Emission Factor(A): 61.000000 Emission Factor Units(A): lbs/MMCF

Cal Method(A): С Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 8.0215 Pollutant(A): CO MMCF Process Rate Units(B): Emission Factor(B): 18.293000 lbs/MMCF

Emission Factor Units(B): Cal Method(B): Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported 2.4055 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000

Emission Factor Units(C): lbs/MMCF Cal Method(C): C Emission Factor Source(C): AP4TH

Control Efficiency(C): Not reported Tons(C): 0.7496 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): C

Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 0.2499 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E):

lbs/MMCF

Cal Method(E): С

MAP FINDINGS Map ID Direction

Distance Elevation Site

Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported 0.2499 Tons(E): Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP4TH Control Efficiency(F): Not reported Tons(F): 0.9994 Pollutant(F): Process Rate Units(G): MMCF Emission Factor(G): 1.250000 lbs/MMCF Emission Factor Units(G): Cal Method(G): Emission Factor Source(G): MB

Control Efficiency(G): Not reported Tons(G): 0.1644 Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H):

AP5TH Emission Factor Source(H): Control Efficiency(H): Not reported Tons(H): 0.7233 Pollutant(H): VOC Process Rate Units(I): Not reported

Not reported

Emission Factor(I):

Pollutant(J):

Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Not reported

Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported Not reported SITE ID SIC: UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Not reported Mailing Zip:

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: #2 HYDROGEN PLANT HEATER

Point: 43

Segment Description: H-9701 - NAT GAS, FUEL GAS

 SCC:
 30600106

 Annual Process Rate:
 351

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 9.139600

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

 Emission Factor Source(A):
 CEM

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Cal Method(B):

Emission Factor Source(B):

Not reported

Not reported

1.6040

EMMCF

EDISTRIPHING

IBS/MMCF

C

INDR

Control Efficiency(B): Not reported Tons(B): 3.8600 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): С AP4TH Emission Factor Source(C):

Control Efficiency(C):

Not reported
Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

Cal Method(D):

Not reported
1.0004

PM-CON

PM-CON

MMCF

1.900000

Ibs/MMCF

C

Emission Factor Source(D):

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP4TH

Not reported

Not reported

1.3335

PM10-FIL

MMCF

1.900000

Ibs/MMCF

Cal Method(E):

C

Emission Factor Source(E): AP4TH
Control Efficiency(E): Not reported

Distance Elevation

Site Database(s) EPA ID Number

0.3335 PM25-FIL

CONOCOPHILLIPS COMPANY (Continued)

Tons(E):

Pollutant(E):

S110302539

EDR ID Number

Process Rate Units(F): MMCF Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP4TH Control Efficiency(F): Not reported Tons(F): 1.3338 Pollutant(F): PT **MMCF** Process Rate Units(G): 0.600000 Emission Factor(G): lbs/MMCF Emission Factor Units(G): Cal Method(G): Emission Factor Source(G): AP5TH Control Efficiency(G): Not reported 0.1053 Tons(G): Pollutant(G): SO₂ Process Rate Units(H): MMCF 5.500000 Emission Factor(H): Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.9653 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Not reported Emission Factor Units(K): Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported

Airs Number: 111-0011

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Pollutant(K):

SITE ID SIC:

UNIQUE IDENTIFIER:

PRIMARY KEY FOR SITE:

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR PERMITTEE:

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported
Mailing Address: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: #2 HYDROGEN PLANT HEATER

Point: 43

Segment Description: H-9701 - PSA GAS

 SCC:
 30600106

 Annual Process Rate:
 2554

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 9.135500

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A):

Control Efficiency(A):

Not reported
11.6660

Pollutant(A):

CO

Pollutant(A):

CO
Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

Emission Factor Source(B):

CO

MMCF

6.543500

Ibs/MMCF

C

INDR

Emission Factor Source(B):

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

INDR

Not reported

NO2

MMCF

5.700000

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C): AP4TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 7.2789 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): C

Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 2.4263 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 lbs/MMCF Emission Factor Units(E): Cal Method(E): AP4TH

Emission Factor Source(E):

Control Efficiency(E):

Not reported
2.4263

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 3.000000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP4TH Control Efficiency(F): Not reported Tons(F): 3.8310 Pollutant(F): PT MMCF Process Rate Units(G): 0.000000 Emission Factor(G): lbs/MMCF Emission Factor Units(G): Cal Method(G): C Emission Factor Source(G): MB

Control Efficiency(G):

Not reported
Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Cal Method(H):

Not reported

0.00000

MMCF

MMCF

0.000000

Ibs/MMCF

C

Emission Factor Source(H): MB

Control Efficiency(H):

Tons(H):

Pollutant(H):

Process Rate Units(I):

Not reported

Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Not reported Emission Factor(J): Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported

Pollutant(J):

Process Rate Units(K):

Emission Factor(K):

Emission Factor Units(K):

Cal Method(K):

Emission Factor Source(K):

Not reported

Tons(J):

Tons(K):

Pollutant(K):

SITE ID SIC:

UNIQUE IDENTIFIER:

SEGMENT/POLLUTANT COMMENT:

PRIMARY KEY FOR SITE:

PRIMARY KEY FOR PERMITTEE:

Not reported

Not reported

Not reported

Airs Number: 111-0011
Latitude: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Not reported

Point Name: #2 HYDROGEN PLANT RELIEF VENT

Point: 4

Segment Description: RELIEF VENT - PSA GAS

 SCC:
 30600802

 Annual Process Rate:
 0

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 2617.111100

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 O

 Emission Factor Source(A):
 INDR

 Control Efficiency (A):
 Not reported

Control Efficiency(A):
Not reported
7.5290
Pollutant(A):
CO
Process Rate Units(B):
Not reported

Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Not reported Emission Factor(C):

Emission Factor Units(C): Not reported Not reported Cal Method(C): Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported

Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported

Emission Factor Source(D):

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Not reported Cal Method(F): Emission Factor Source(F): Not reported Not reported Control Efficiency(F): Not reported Tons(F): Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Not reported Emission Factor Units(J): Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011

Latitude: Not reported Longitude: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Company:Not reportedMailing Address:Not reportedMailing City:Not reportedMailing State:Not reportedMailing Zip:Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact: Allen Eggen
Emissions Contact Phone: Not reported
Year Of Inventory: 2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: #1 HYDROGEN PLANT RELIEF VENT

Point: 45

Segment Description: RELIEF VENT - PSA GAS

 SCC:
 30600802

 Annual Process Rate:
 0

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 0.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 O

Emission Factor Source(A):

Control Efficiency(A):

Not reported

Tons(A):

5.1100

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

Emission Factor Source(B):

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Not reported Emission Factor Units(C): Not reported Cal Method(C): Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported

Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported

Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor(F): Not reported Emission Factor Units(F): Not reported Not reported Cal Method(F): Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Not reported Tons(F): Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude: Not reported Not reported

Longitude: Mailing Company:

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Address:Not reportedMailing City:Not reportedMailing State:Not reportedMailing Zip:Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: TEMPORARY BOILER

Point: 4

Segment Description: NATURAL FUEL GAS

 SCC:
 10200602

 Annual Process Rate:
 3

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C.

Cal Method(A): AP5TH Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): 0.1260 Pollutant(A): CO MMCF Process Rate Units(B): 190.000000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF Cal Method(B): C

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Cal Method(C):

UNDR

Not reported

No2

MMCF

5.700000

Ibs/MMCF

Cal Method(C):

C

Emission Factor Source(C):

Control Efficiency(C):

Not reported

Not reported

0.0086

Pollutant(C):

PM-CON

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

Ds/MMCF

Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0029 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** 1.900000 Emission Factor(E): Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0029

Process Rate Units(F): MMCF Emission Factor(F): 7.600000

PM25-FIL

Pollutant(E):

Direction Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0114 Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 0.600000 Emission Factor Units(G): lbs/MMCF Cal Method(G): AP5TH Emission Factor Source(G): Control Efficiency(G): Not reported 0.0009 Tons(G): Pollutant(G): SO2 Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): AP5TH Not reported Control Efficiency(H): Tons(H): 0.0083 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Not reported Process Rate Units(J): Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Not reported Control Efficiency(J): Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011

Latitude: Longitude:

Mailing Company:

Mailing Address:

Not reported

Not reported

Not reported

Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: TEMPORARY COKE CRUSHER

Point: 48

Segment Description: TEMPORARY COKE CRUSHER

SCC: 30504030 Annual Process Rate: 5182 Process Rate Units(A): Ton Emission Factor(A): 0.000800 Emission Factor Units(A): lb/Ton Cal Method(A): Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): 0.0021 PM10-FIL Pollutant(A): Process Rate Units(B): Ton

Emission Factor(B): 0.000800 Emission Factor Units(B): lb/Ton Cal Method(B): C Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 0.0021 Pollutant(B): PM25-FIL Process Rate Units(C): Ton Emission Factor(C): 0.000800 Emission Factor Units(C): lb/Ton Cal Method(C):

Emission Factor Source(C): INDR
Control Efficiency(C): Not reported
Tons(C): 0.0021
Pollutant(C): PT
Process Rate Units(D): Not reported

Emission Factor(D): Not reported Emission Factor Units(D): Not reported Not reported Cal Method(D): Emission Factor Source(D): Not reported Not reported Control Efficiency(D): Not reported Tons(D): Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported

Distance Elevation Site

Cal Method(F):

Database(s) EP/

EDR ID Number EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

Not reported

S110302539

Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Not reported Emission Factor(G): Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Not reported Control Efficiency(J): Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110 - Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2012

Spt Type/Emissions: CO 402.8649 NO2 538.4813 PM-CON 56.0056 PM10-FIL 44.4382 PM25-FIL 28.5497 PT 96.9

Plant Comment: Updated by J. Hughes, entered by D. Linkenbach 3/13.

Point Name: COKER VENT AND COKE CUTTING

Point: 4

Segment Description: COKER VENT & COKE CUTTING

SCC: 30600805

Annual Process Rate: 452

Process Rate Units(A): Number of X

Emission Factor(A): 0.000000

Emission Factor Units(A): lbs/Number of X

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor (B):

Double Tons(A):

PM10-FIL

Number of X

Double Tons(B):

Emission Factor Units(B):

Double Tons(A):

Doub

Cal Method(B): 0 Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 0.0700 Pollutant(B): PM25-FIL Process Rate Units(C): Number of X Emission Factor(C): 0.000000 Emission Factor Units(C): lbs/Number of X

 Cal Method(C):
 O

 Emission Factor Source(C):
 INDR

 Control Efficiency(C):
 Not reported

 Tons(C):
 0.0700

 Pollutant(C):
 PT

 Process Rate Units(D):
 Number of X

Emission Factor(D): 0.000000
Emission Factor Units(D): lbs/Number of X
Cal Method(D): O

Emission Factor Source(D): **INDR** Control Efficiency(D): Not reported 1.7850 Tons(D): Pollutant(D): VOC Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Not reported Pollutant(E): Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported

Not reported

Cal Method(F):

Distance Elevation Site

Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Not reported Tons(F): Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Not reported Emission Factor Units(G): Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude: Longitude:

Airs Number: 111-0011
Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported
Mailing Address: Not reported
Mailing City: Not reported
Mailing State: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #14

Point:

Segment Description: HEATER #14 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 103

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 lbs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A):

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

AP5TH

Not reported

CO

MMCF

Emission Factor(B): 100.000000
Emission Factor Units(B): Ibs/MMCF
Cal Method(B): C

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

MP5TH

Not reported

5.1500

MMCF

MMCF

5.700000

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.2936 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): C

Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0979 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH

Control Efficiency(E):
Not reported
Tons(E):
Process Rate Units(F):

Not reported
0.0979
PM25-FIL
MMCF

Distance
Elevation Site Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor(F): 7.600000 lbs/MMCF Emission Factor Units(F): Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported 0.3914 Tons(F): Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.490000 lbs/MMCF Emission Factor Units(G): Cal Method(G): С

 Emission Factor Source(G):
 MB

 Control Efficiency(G):
 Not reported

 Tons(G):
 0.0767

 Pollutant(G):
 SO2

 Process Rate Units(H):
 MMCF

 Emission Factor(H):
 5.500000

 Emission Factor Units(H):
 lbs/MMCF

 Cal Method(H):
 C

Emission Factor Source(H):

Control Efficiency(H):

Tons(H):

Pollutant(H):

Process Rate Units(I):

AP5TH

Not reported

0.2833

VOC

Not reported

Not reported

Not reported

Not reported

Emission Factor(I):

Pollutant(J):

Process Rate Units(K):

Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported

Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Not reported Emission Factor Source(K): Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011
Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Address:Not reportedMailing City:Not reportedMailing State:Not reportedMailing Zip:Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #15

Point: 12

Segment Description: HEATER #15 - (FUEL) GAS

SCC: 30600104

 Annual Process Rate:
 7

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

AP5TH

Not reported

Not reported

 Tons(A):
 Not reported

 Pollutant(A):
 CO

 Process Rate Units(B):
 MMCF

 Emission Factor (B):
 100.000000

 Emission Factor Units(B):
 lbs/MMCF

 Cal Method(B):
 C

 Carl Method (B):
 AP5TH

 Emission Factor Source(B):
 Not reported

 Tons(B):
 0.3500

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 lbs/MMCF

С

Emission Factor Source(C):

Control Efficiency(C):

Not reported

O.0200

Pollutant(C):

Process Rate Units(D):

Emission Factor (D):

Emission Factor Units(D):

Description:

AP5TH

Not reported

Not reported

1.0200

MMCF

1.900000

Bmission Factor Units(D):

Ibs/MMCF

Cal Method(C):

Cal Method(D): C
Emission Factor Source(D): AP5TH
Control Efficiency(D): Not reported

Tons(D): 0.0067

Pollutant(D): PM10-FIL

Process Rate Units(E): MMCF

Emission Factor(E): 1.900000

Emission Factor Units(E): lbs/MMCF

Cal Method(E):

Ci Emission Factor Source(E):

Control Efficiency(E):

Ci Dission Factor Source(E):

AP5TH

Not reported

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(E): 0.0067 PM25-FIL Pollutant(E): Process Rate Units(F): MMCF Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0266 Pollutant(F): **MMCF** Process Rate Units(G): 1.490000 Emission Factor(G): lbs/MMCF Emission Factor Units(G): Cal Method(G): Emission Factor Source(G): MB

Control Efficiency(G):

Not reported
Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Cal Method(H):

Emission Factor Source(H):

AP5TH

Emission Factor Source(H):

Control Efficiency(H):

Tons(H):

Pollutant(H):

Process Rate Units(I):

AP5TH

Not reported

VOC

Not reported

Not reported

Emission Factor(I):

Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K):

Not reported Emission Factor Units(K): Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported 2010 Year Of Inventory:

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE

INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #16

Point:

HEATER #16 - (FUEL) GAS Segment Description:

SCC: 30600104 Annual Process Rate: 164 Process Rate Units(A): **MMCF** 84.000000 Emission Factor(A): lbs/MMCF Emission Factor Units(A):

Cal Method(A): C Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): MMCF

Emission Factor(B): 100.000000 Emission Factor Units(B): lbs/MMCF Cal Method(B): AP5TH Emission Factor Source(B):

Control Efficiency(B): Not reported Tons(B): 8.2000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.4674 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D):

Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.1558 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.1558 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.6232 Pollutant(F): PT Process Rate Units(G): **MMCF** 1.490000 Emission Factor(G): Emission Factor Units(G): lbs/MMCF Cal Method(G): C

MB Emission Factor Source(G): Control Efficiency(G): Not reported Tons(G): 0.1222 Pollutant(G): SO2 Process Rate Units(H): MMCF Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.4510 VOC Pollutant(H): Process Rate Units(I): Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: STORAGE TANKS

Point: 24

Segment Description: TANKS - CRUDE, DISTL

 SCC:
 40301199

 Annual Process Rate:
 71987

 Process Rate Units(A):
 1000 Barrels

 Emission Factor(A):
 0.415900

 Emission Factor Units(A):
 lb/1000 bbl

Cal Method(A): C

Emission Factor Source(A): TANKS
Control Efficiency(A): Not reported
Tons(A): Not reported
Pollutant(A): VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Not reported Cal Method(C): Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported

Politiani(C):

Process Rate Units(D):

Emission Factor(D):

Cal Method(D):

Emission Factor Source(D):

Not reported

Distance Elevation Site

Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Not reported Cal Method(E): Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Not reported Tons(E): Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported Not reported PRIMARY KEY FOR SITE: PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Not reported

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2010

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402. FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: **BULK LOADING-GASOLINE**

Point: 25

Emission Factor(B):

Segment Description: **BULK LOADING-GASOLINE**

SCC: 40400199 Annual Process Rate: 55055 Process Rate Units(A): 1000 Gallons Emission Factor(A): 0.000000 Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A): С Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): VOC Process Rate Units(B): Not reported

Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Not reported Emission Factor Units(H): Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Not reported Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Not reported Mailing Zip:

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Not reported

Not reported

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30,1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: FUGITIVE HC EMISSIONS

Point:

FUGITIVE HC EMISSION Segment Description:

SCC: 30688801 Annual Process Rate: 21568 Process Rate Units(A): 1000 Barrels Emission Factor(A): 23.785900 Emission Factor Units(A): lb/1000 bbl

Cal Method(A): Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D):

Emission Factor(D):

Elevation Site

Distance

ite Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Not reported Tons(F): Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Not reported Control Efficiency(H): Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(K): Not reported Not reported Emission Factor Source(K): Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HYDROGEN PLNT PROCESS HTR

Point:

Segment Description: PRCSS HTR-H9401 PSA GAS

SCC: 30600106 Annual Process Rate: 3414 **MMCF** Process Rate Units(A): 17.629800 Emission Factor(A): Emission Factor Units(A): lbs/MMCF

Cal Method(A): **INDR** Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): Not reported

Pollutant(A): CO MMCF Process Rate Units(B): Emission Factor(B): 7.728200 Emission Factor Units(B): lbs/MMCF Cal Method(B): C Emission Factor Source(B): **INDR**

Control Efficiency(B): Not reported Tons(B): 13.1920 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C):

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 9.7299

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 3.2433 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 lbs/MMCF Emission Factor Units(E): Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 3.2433 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 3.000000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): **STDR** Control Efficiency(F): Not reported Tons(F): 5.1210 Pollutant(F): Process Rate Units(G): **MMCF** Emission Factor(G): 0.000000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.0000 Pollutant(G): SO2 Process Rate Units(H): **MMCF** 0.000000 Emission Factor(H): Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): MB

Control Efficiency(H): Not reported 0.0000 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Lonaitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #2 HYDROGEN PLANT RELIEF VENT

Point:

RELIEF VENT - PSA GAS Segment Description:

SCC: 30600802 Annual Process Rate: Process Rate Units(A): **MMCF** Emission Factor(A): 2617.111100 Emission Factor Units(A): lbs/MMCF

Cal Method(A): 0 Emission Factor Source(A): **INDR** Control Efficiency(A): Not reported Tons(A): Not reported

Pollutant(A): CO

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Not reported Tons(C): Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Not reported Emission Factor Units(D): Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

2911 - Petroleum Refining/324110- Petroleum Refineries SIC/NAIC:

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2010

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions:

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30,1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

#1 HYDROGEN PLANT RELIEF VENT

Point:

Point Name:

RELIEF VENT - PSA GAS Segment Description:

0

30600802 SCC: Annual Process Rate: n Process Rate Units(A): **MMCF** Emission Factor(A): 0.000000 Emission Factor Units(A): lbs/MMCF

Cal Method(A): **INDR** Emission Factor Source(A): Control Efficiency(A): Not reported Tons(A): Not reported

Pollutant(A): CO

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported

Distance
Elevation Site

EDR ID Number
Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Not reported Pollutant(C): Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Not reported Tons(F): Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Lonaitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

TEMPORARY BOILER Point Name:

Point: 46

Segment Description: NATURAL FUEL GAS

SCC: 10200602 Annual Process Rate: 0 Process Rate Units(A): **MMCF** Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A):

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): **MMCF** 190.000000 Emission Factor(B): lbs/MMCF Emission Factor Units(B): Cal Method(B): C Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported

Distance Elevation Si

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(B): 0.0000 NO₂ Pollutant(B): Process Rate Units(C): MMCF Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM-CON **MMCF** Process Rate Units(D): Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): MMCF Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0000 Pollutant(F): Process Rate Units(G): **MMCF** Emission Factor(G): 0.600000 Emission Factor Units(G): lbs/MMCF Cal Method(G): Emission Factor Source(G): AP5TH Control Efficiency(G): Not reported Tons(G): 0.0000 Pollutant(G): SO2 MMCF Process Rate Units(H): Emission Factor(H): 5.500000 lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 0.0000 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported

Emission Factor Source(I):

Control Efficiency(I):

Tons(I):

Not reported

Not reported

Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Pollutant(I): Not reported Not reported Process Rate Units(J): Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported 2010 Year Of Inventory:

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: **FOUR BOILERS**

Point:

4 BOILERS-PROCESS GAS Segment Description:

SCC: 10200701 Annual Process Rate: 1201 Process Rate Units(A): MMCF Emission Factor(A): 91.889300 Emission Factor Units(A): lbs/MMCF Cal Method(A): C Emission Factor Source(A): CEM

Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 307.045100 Emission Factor Units(B): lbs/MMCF

MAP FINDINGS Map ID Direction

Distance Elevation Site

Database(s)

S110302539

EDR ID Number

EPA ID Number

CONOCOPHILLIPS COMPANY (Continued) Cal Method(B): С Emission Factor Source(B): STDR Control Efficiency(B): Not reported Tons(B): 184.3806 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C): Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 3.4229 PM-CON Pollutant(C): Process Rate Units(D): **MMCF** 1.900000 Emission Factor(D): Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 1.1410 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 1.1410 Pollutant(E): PM25-FIL MMCF Process Rate Units(F):

Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F):

Emission Factor Source(F): AP4TH Not reported Control Efficiency(F): 4.5638 Tons(F): Pollutant(F): Process Rate Units(G): **MMCF** 1.485400 Emission Factor(G): Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): CEM

Control Efficiency(G): Not reported Tons(G): 0.8920 Pollutant(G): SO₂ Process Rate Units(H): MMCF Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): С

Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 3.3028 Pollutant(H): VOC Process Rate Units(I): Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Not reported Emission Factor Units(J): Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2010

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE

INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #1

Point:

Segment Description: HEATER #1 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 234 **MMCF** Process Rate Units(A): Emission Factor(A): 1.480000 Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): STD Control Efficiency(A):

Not reported Tons(A): Not reported

Pollutant(A): CO

MAP FINDINGS Map ID Direction

Distance Elevation

Site Database(s) **EPA ID Number**

S110302539

EDR ID Number

CONOCOPHILLIPS COMPANY (Continued) Process Rate Units(B): **MMCF** 15.548100 Emission Factor(B): Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): STD Control Efficiency(B): Not reported 1.8191 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): MMCF Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C): Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.6669 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** 1.900000 Emission Factor(D): Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.2223 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): AP5TH Emission Factor Source(E): Control Efficiency(E): Not reported Tons(E): 0.2223 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH

Control Efficiency(F): Not reported 0.8892 Tons(F): Pollutant(F): PT MMCF Process Rate Units(G): Emission Factor(G): 1.490000 Emission Factor Units(G): lbs/MMCF Cal Method(G): C

Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.1743 Pollutant(G): SO2 Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.6435 Pollutant(H): VOC Process Rate Units(I): Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Lonaitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

AP5TH

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported 2010 Year Of Inventory:

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions: Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #2

Point:

Emission Factor Source(A):

Segment Description: HEATER #2 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: Process Rate Units(A): **MMCF** Emission Factor(A): 84.000000 lbs/MMCF Emission Factor Units(A): Cal Method(A):

Distance Elevation Site

Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Control Efficiency(A): Not reported Not reported Tons(A): Pollutant(A): CO Process Rate Units(B): MMCF 100.000000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): AP5TH

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Cal Method(C):

No2

MMCF

7.600000

Ibs/MMCF

C

AP5TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С

 Emission Factor Source(D):
 AP5TH

 Control Efficiency(D):
 Not reported

 Tons(D):
 0.0000

 Pollutant(D):
 PM10-FIL

 Process Rate Units(E):
 MMCF

 Emission Factor(E):
 7.600000

 Emission Factor Units(E):
 Ibs/MMCF

 Cal Method(E):
 C

Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С

Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0000 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 2.125000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С

Emission Factor Source(G): MB

Control Efficiency(G):

Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Emission Factor Units(H):

Cal Method(H):

Not reported

MMCF

SO2

MMCF

5.500000

Ibs/MMCF

C

Emission Factor Source(H): AP5TH
Control Efficiency(H): Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Tons(H): 0.0000 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Not reported Emission Factor Source(I): Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Not reported Longitude: Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

HEATER #4

Point:

Point Name:

Segment Description: HEATER #4 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: Process Rate Units(A): **MMCF** Emission Factor(A): 84.000000

MAP FINDINGS Map ID Direction

Distance Elevation Site

Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor Units(A): lbs/MMCF Cal Method(A): С Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): MMCF Emission Factor(B): 100.000000 Emission Factor Units(B): lbs/MMCF Cal Method(B): AP5TH Emission Factor Source(B): Control Efficiency(B): Not reported 0.0000 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 7.600000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0000 PM-CON Pollutant(C): Process Rate Units(D): **MMCF** Emission Factor(D): 7.600000 lbs/MMCF Emission Factor Units(D): Cal Method(D): C Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 7.600000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Not reported Control Efficiency(E): 0.0000 Tons(E): Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): C Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0000 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.406700 lbs/MMCF Emission Factor Units(G): Cal Method(G): С Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.0000 Tons(G): Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.0000 Pollutant(H): VOC Process Rate Units(I): Not reported Not reported

Emission Factor(I): Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported

Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported

PRIMARY KEY FOR PERMITTEE:

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Not reported

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2010 Spt Type/Emissions:

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30,1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #17

Point:

Segment Description: HEATER #17 - (FUEL) GAS

SCC: 30600104

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Annual Process Rate: 339 **MMCF** Process Rate Units(A): Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): **MMCF** 100.000000 Emission Factor(B): lbs/MMCF Emission Factor Units(B): Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 16.9500 NO2 Pollutant(B): Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.9662 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.3221 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** 1.900000 Emission Factor(E): Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.3221 PM25-FIL Pollutant(E): Process Rate Units(F): MMCF Emission Factor(F): 7.600000 lbs/MMCF Emission Factor Units(F): Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 1.2882 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.490000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С

Emission Factor Source(G):

Control Efficiency(G):

Tons(G):

Pollutant(G):

MB

0.2526

SO2

Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(H): **MMCF** 5.500000 Emission Factor(H): Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.9323 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen
Emissions Contact Phone: Not reported

Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE
COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #18

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Point: 15

HEATER #18 - (FUEL) GAS Segment Description:

SCC: 30600104 Annual Process Rate: 281 Process Rate Units(A): **MMCF** 84.000000 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A):

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported

Pollutant(A): CO Process Rate Units(B): MMCF Emission Factor(B): 100.000000 lbs/MMCF Emission Factor Units(B): Cal Method(B):

Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 14.0500 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C):

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.8009 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF

Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.2670 Pollutant(D): PM10-FIL Process Rate Units(E): MMCF Emission Factor(E): 1.900000 lbs/MMCF

Emission Factor Units(E):

Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.2670 PM25-FIL Pollutant(E): Process Rate Units(F): MMCF 7.600000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F):

Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 1.0678 Pollutant(F): MMCF Process Rate Units(G): Emission Factor(G): 1.490000 lbs/MMCF Emission Factor Units(G):

Cal Method(G): Emission Factor Source(G): MB

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(G): Not reported 0.2093 Tons(G): Pollutant(G): SO2 Process Rate Units(H): MMCF Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): C Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.7728 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Not reported Pollutant(K): SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported 111-0011

Airs Number: 111-0011
Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported
Mailing Address: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

HEATER #19

Point Name: Point:

Segment Description: HEATER #19 - (FUEL) GAS

SCC: 30600104

Annual Process Rate: 0 Process Rate Units(A): **MMCF** Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A): C

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported

Pollutant(A): Process Rate Units(B): MMCF Emission Factor(B): 100.000000 Emission Factor Units(B): lbs/MMCF Cal Method(B):

AP5TH Emission Factor Source(B): Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C):

Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported 0.0000 Tons(C): Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D):

Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0000 PM10-FIL Pollutant(D): Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF

Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** 7.600000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F):

Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0000 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.490000

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.0000 Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported 0.0000 Tons(H): Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Not reported Control Efficiency(K): Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen
Emissions Contact Phone: Not reported
Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

Point Name:

S110302539

EDR ID Number

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

HYDROGEN PLNT PROCESS HTR

Point: 35

Segment Description: PRCSS HTR-NAT'L GAS H9401

 SCC:
 30600105

 Annual Process Rate:
 617

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 61.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

AP5TH

Not reported

Not reported

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

CO

MMCF

29.692100

Ibs/MMCF

C

 Emission Factor Source(B):
 STACK

 Control Efficiency(B):
 50.0000

 Tons(B):
 9.1600

 Pollutant(B):
 NO2

 Process Rate Units(C):
 MMCF

 Emission Factor(C):
 5.700000

 Emission Factor Units(C):
 Ibs/MMCF

Cal Method(C): С Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 1.7585 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Cal Method(E):

AP4TH

Not reported

Not reported

1.5862

PM10-FIL

MMCF

1.900000

Ibs/MMCF

Cal Method(E):

C

 Emission Factor Source(E):
 AP4TH

 Control Efficiency(E):
 Not reported

 Tons(E):
 0.5862

 Pollutant(E):
 PM25-FIL

 Process Rate Units(F):
 MMCF

 Emission Factor(F):
 7.600000

 Emission Factor Units(F):
 Ibs/MMCF

 Cal Method(F):
 C

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

AP5TH

Not reported

2.3446

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Pollutant(F): PT MMCF Process Rate Units(G): Emission Factor(G): 0.600000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): AP4TH Control Efficiency(G): Not reported Tons(G): 0.1851 Pollutant(G): SO2 Process Rate Units(H): **MMCF** Emission Factor(H): 2.800000 lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP4TH Control Efficiency(H): Not reported Tons(H): 0.8638 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude: Not reported

Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Not reported Mailing City: Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact Phone: Not reported Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE
COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: COKE HANDLING EQUIP/STG

Point: 36

Segment Description: COKE HANDLING & TRANSFER

SCC: 30501011
Annual Process Rate: 709962
Process Rate Units(A): Coke Shipped
Emission Factor(A): 0.000000
Emission Factor Units(A): lbs/Coke Shipped

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Companies State Control Efficiency (A):

PM-CON

Coke Shipped

Emission Factor(B):

Companies Control Efficiency (A):

STDR

99.0000

PM-CON

Coke Shipped

Companies Control Efficiency (A):

Coke Shipped

Companies Control Efficiency (A):

Control Efficiency (A):

PM-CON

Coke Shipped

Emission Factor(B):

Emission Factor Units(B): lbs/Coke Shipped

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

99.0000

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

INDR

99.0000

PM10-FIL

Coke Shipped

0.002200

Emission Factor Units(C):

Ibs/Coke Shipped

 Cal Method(C):
 C

 Emission Factor Source(C):
 INDR

 Control Efficiency(C):
 99.0000

 Tons(C):
 0.7810

 Pollutant(C):
 PM25-FIL

 Process Rate Units(D):
 Coke Shipped

 Emission Factor (D):
 0.002200

 Emission Factor Units(D):
 Ibs/Coke Shipped

 Cal Method(D):
 C

 Emission Factor Source(D):
 INDR

 Control Efficiency(D):
 99.0000

 Tons(D):
 0.7810

 Pollutant(D):
 PT

Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Not reported Pollutant(E): Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported

Distance
Elevation Site

Database(s)

EDR ID Number EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Not reported Tons(F): Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Not reported Emission Factor Units(G): Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011
Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported
Mailing Address: Not reported
Mailing City: Not reported
Mailing State: Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2010

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions:

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE Plant Comment:

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

HYDROGEN PLANT

Point Name: Point:

Segment Description: HYDROGEN PLANT

SCC: 30600199 Annual Process Rate: 8760 Process Rate Units(A): Hrs Emission Factor(A): 0.107500 Emission Factor Units(A): lbs/hr Cal Method(A): С Emission Factor Source(A): **INDR**

Control Efficiency(A): Not reported Not reported Tons(A):

Pollutant(A): VOC Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Not reported Emission Factor Units(C): Not reported Cal Method(C): Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Not reported Pollutant(C): Process Rate Units(D): Not reported Emission Factor(D): Not reported

Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported

Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported

Distance Elevation Site

Database(s)

Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor(F): Not reported Emission Factor Units(F): Not reported Not reported Cal Method(F): Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Not reported Tons(F): Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011 Latitude: Not reported

Lonaitude:

Mailing Company:

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Address:Not reportedMailing City:Not reportedMailing State:Not reportedMailing Zip:Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #5

Point:

Segment Description: HEATER#5 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 20

 Process Rate Units(A):
 MMCF

Emission Factor(A): 84.000000
Emission Factor Units(A): lbs/MMCF

Cal Method(A): C
Emission Factor Source(A): AP5TH
Control Efficiency(A): Not reported

Tons(A):

Pollutant(A):

CO

Process Rate Units(B):

Emission Factor(B):

Emission Factor Units(B):

Cal Method(B):

Not reported

MMCF

100.000000

Ibs/MMCF

C

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

NAP5TH

Not reported

1.0000

NO2

Frocess Rate Units(C):

MMCF

5.700000

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0570 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF

Cal Method(D): C
Emission Factor Source(D): Af

Emission Factor Source(D):

Control Efficiency(D):

Not reported
Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

AP5TH

Not reported

Not reported

MMCF

MMCF

1.900000

Emission Factor Units(E): lbs/MMCF
Cal Method(E): C
Emission Factor Source(E): AP5TH
Control Efficiency(E): Not reported

Direction Distance Elevation

n Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(E): 0.0190 PM25-FIL Pollutant(E): Process Rate Units(F): MMCF Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0760 Pollutant(F): PT **MMCF** Process Rate Units(G): 1.490000 Emission Factor(G): lbs/MMCF Emission Factor Units(G): Cal Method(G): Emission Factor Source(G): MB

Control Efficiency(G):

Not reported
Tons(G):

Pollutant(G):

Process Rate Units(H):

Emission Factor(H):

Emission Factor Units(H):

Cal Method(H):

Not reported
MMCF

SO2

MMCF

5.500000

Ibs/MMCF

C

Emission Factor Source(H):

Control Efficiency(H):

Tons(H):

Pollutant(H):

Process Rate Units(I):

AP5TH

Not reported

0.0550

VOC

Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Not reported Emission Factor Units(K):

Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported 2010 Year Of Inventory:

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: **COKER HEATER**

Point:

Segment Description: H-3901 30600106 SCC: Annual Process Rate: 934 Process Rate Units(A): MMCF Emission Factor(A): 84.000000 lbs/MMCF Emission Factor Units(A): Cal Method(A): C Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported

Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): MMCF Emission Factor(B): 45.199000 Emission Factor Units(B): lbs/MMCF

Cal Method(B): Emission Factor Source(B): STD Control Efficiency(B): 50.0000 Tons(B): 21.1079 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 2.6619 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported

Tons(D): 0.8873 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.8873 PM25-FIL Pollutant(E): Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 3.5492 Pollutant(F): PT Process Rate Units(G): **MMCF** 1.490000 Emission Factor(G): Emission Factor Units(G): lbs/MMCF Cal Method(G): C

MB Emission Factor Source(G): Control Efficiency(G): Not reported Tons(G): 0.6958 Pollutant(G): SO₂ Process Rate Units(H): MMCF Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 2.5685 VOC Pollutant(H): Process Rate Units(I): Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported

Not reported

PRIMARY KEY FOR SITE:

Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2010

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions:

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE Plant Comment: COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30,1993

> JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #20

Point: 17

Segment Description: HEATER #20 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 14 Process Rate Units(A): MMCF Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF

Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported

Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): AP5TH

Control Efficiency(B): Not reported Tons(B): 0.7000 Pollutant(B): NO₂ Process Rate Units(C): MMCF Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C):

Cal Method(C): C Emission Factor Source(C):

AP5TH Control Efficiency(C): Not reported Tons(C): 0.0399 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000

Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0133 Pollutant(D): PM10-FIL

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(E): **MMCF** 1.900000 Emission Factor(E): Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0133 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С AP5TH Emission Factor Source(F): Control Efficiency(F): Not reported Tons(F): 0.0532 Pollutant(F): Process Rate Units(G): **MMCF** Emission Factor(G): 1.490000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB

Control Efficiency(G): Not reported 0.0104 Tons(G): Pollutant(G): SO2 Process Rate Units(H): MMCF Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): С AP5TH Emission Factor Source(H): Control Efficiency(H): Not reported 0.0385 Tons(H):

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Not reported Emission Factor Source(J): Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported

Not reported

SITE ID SIC:

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #21

Point: 18

Segment Description: HEATER #21 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 342

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A):

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

AP5TH

Not reported

CO

MMCF

100.000000

lbs/MMCF Emission Factor Units(B): Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 17.1000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C):

Emission Factor Source(C):

AP5TH
Control Efficiency(C):

Not reported
Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

Cal Method(D):

Cal Method(D):

AP5TH
Not reported
Not reported
1.9747
PM-CON
PM-CON
1.900000
Ibs/MMCF

Cal Method(D): C
Emission Factor Source(D): AP5TH

Distance Elevation Site

Site Database(s) EPA ID Number

Not reported Not reported

Not reported

Not reported Not reported

Not reported

Not reported

Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(D): Not reported Tons(D): 0.3249 Pollutant(D): PM10-FIL Process Rate Units(E): MMCF Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.3249 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 1.2996 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.490000 lbs/MMCF Emission Factor Units(G): Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.2548 Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.9405 VOC Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Not reported Process Rate Units(J): Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported

Control Efficiency(J):

Process Rate Units(K):

Emission Factor Source(K):

Emission Factor(K): Emission Factor Units(K):

Control Efficiency(K):

Cal Method(K):

Tons(J): Pollutant(J):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported Not reported Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

AP5TH

MMCF

Emissions Contact:

Emissions Contact Phone:

Not reported

Year Of Inventory: 2010

 Spt Type/Emissions:
 CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

 Plant Comment:
 UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #23

Point: 20

Emission Factor Source(A):

Process Rate Units(D):

Segment Description: HEATER #23 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 216

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

 Emission Factor Units(A):
 lbs/MMCF

 Cal Method(A):
 C

Control Efficiency(A):
Not reported
Tons(A):
Pollutant(A):
CO
Process Rate Units(B):
MMCF
Emission Factor(B):
100.000000
Emission Factor Units(B):
Ibs/MMCF

Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported 10.8000 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.6156 Pollutant(C): PM-CON

Emission Factor(D): 1.900000

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.2052 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** 1.900000 Emission Factor(E): Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.2052 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Not reported Control Efficiency(F): Tons(F): 0.8208 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.490000 lbs/MMCF Emission Factor Units(G): Cal Method(G): C Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.1609 Pollutant(G): SO2 Process Rate Units(H): MMCF Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): AP5TH Not reported Control Efficiency(H): Tons(H): 0.5940 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported

Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported

Cal Method(I):

Emission Factor Source(I):

Not reported

Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(K): Not reported Not reported Emission Factor Source(K): Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen Emissions Contact Phone: Not reported

Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: MISC. GAS EQUIPMENT

Point: 40

Segment Description: MISC DIESEL EQUIPMENT

SCC: 20200102 Annual Process Rate: 75

Process Rate Units(A): 1000 Gallons
Emission Factor(A): 50.480000
Emission Factor Units(A): lbs/1000 Gallons

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

C

AP4TH

Not reported

Not reported

Pollutant(A): CO

Process Rate Units(B): 1000 Gallons
Emission Factor(B): 234.293300
Emission Factor Units(B): lbs/1000 Gallons

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

AP4TH

Not reported

8.7860

NO2

1000 Gallons

Emission Factor (C): 1000 Gallons
Emission Factor Units(C): 12.486500
Emission Factor Units(C): lbs/1000 Gallons

 $\begin{array}{lll} \text{Cal Method(C):} & \text{C} \\ \text{Emission Factor Source(C):} & \text{STDR} \\ \text{Control Efficiency(C):} & \text{Not reported} \\ \text{Tons(C):} & 0.4682 \\ \end{array}$

Distance Elevation

tion Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(C): PM-CON
Process Rate Units(D): 1000 Gallons
Emission Factor(D): 16.480000
Emission Factor Units(D): lbs/1000 Gallons

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor (E):

Emission Factor Units(E):

C

INDR

Not reported

0.6180

PM10-FIL

1000 Gallons

12.486500

Emission Factor Units(E):

Ibs/1000 Gallons

Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Not reported

0.4682

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

COMMOND STID Not reported

0.4682

PM25-FIL

1000 Gallons

6.648600

Emission Factor Units(F):

Ibs/1000 Gallons

С

Not reported

Cal Method(F):

Emission Factor(H):

Emission Factor Source(F):

Control Efficiency(F):

Not reported

Tons(F):

0.2493

Pollutant(F):

SO2

Process Rate Units(G): 1000 Gallons
Emission Factor(G): 18.586700
Emission Factor Units(G): lbs/1000 Gallons

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Tons(G):

Pollutant(G):

Process Rate Units(H):

Capacital AP4TH

Not reported

Not reported

Not reported

Emission Factor Units(H): Not reported Not reported Cal Method(H): Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported

Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Lonaitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: MISC. GAS EQUIPMENT

Point:

MISC GAS EQUIPMENT Segment Description:

SCC: 20300301 Annual Process Rate: 31

Process Rate Units(A): 1000 Gallons Emission Factor(A): 8059.225800 lbs/1000 Gallons Emission Factor Units(A):

Cal Method(A): С Emission Factor Source(A): AP4TH Control Efficiency(A): Not reported Tons(A): Not reported

Pollutant(A): CO

Process Rate Units(B): 1000 Gallons Emission Factor(B): 214.294100 Emission Factor Units(B): lbs/1000 Gallons

Cal Method(B): C Emission Factor Source(B):

AP4TH Control Efficiency(B): Not reported Tons(B): 3.3216 Pollutant(B): NO₂

Process Rate Units(C): 1000 Gallons Emission Factor(C): 13.176500 Emission Factor Units(C): lbs/1000 Gallons

Cal Method(C):

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(C):

Control Efficiency(C):

Not reported
0.2042
Pollutant(C):
PM-CON
Process Rate Units(D):
Emission Factor(D):
Emission Factor Units(D):

DOTHER
Not reported
1.2042
PM-CON
1.2000
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Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor (E):

Cottle Country

O.2042

Pollutant(D):

PM10-FIL

1000 Gallons

Emission Factor (E):

13.176500

Emission Factor Units(E):

Ibs/1000 Gallons

Cal Method(E):

Emission Factor Source(E):

Control Efficiency(E):

Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor (F):

Emission Factor Units(F):

COTHER

Not reported

0.2042

PM25-FIL

1000 Gallons

Emission Factor (F):

5.529400

Ibs/1000 Gallons

 Cal Method(F):
 C

 Emission Factor Source(F):
 AP4TH

 Control Efficiency(F):
 Not reported

 Tons(F):
 0.0857

 Pollutant(F):
 SO2

Cal Method(G):

Cal Method(J):

Emission Factor Source(J):

Process Rate Units(G): 1000 Gallons
Emission Factor(G): 269.935500
Emission Factor Units(G): lbs/1000 Gallons

Emission Factor Source(G): AP4TH Control Efficiency(G): Not reported Tons(G): 4.1840 Pollutant(G): VOC Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Not reported Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported

Not reported

Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported 2010 Year Of Inventory:

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30,1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

#5 HDS CHARGE HEATER Point Name:

Point:

H-9501 - REF GAS Segment Description:

30600106 SCC: Annual Process Rate: 102 Process Rate Units(A): **MMCF** Emission Factor(A): 61.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A): C

Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 24.836700 lbs/MMCF Emission Factor Units(B): Cal Method(B):

Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 1.2667 Pollutant(B): NO₂ Process Rate Units(C): MMCF

Distance Elevation

Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C): Cal Method(C): С Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported 0.2907 Tons(C): Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 0.0969 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 lbs/MMCF Emission Factor Units(E): Cal Method(E): AP4TH Emission Factor Source(E): Control Efficiency(E): Not reported Tons(E): 0.0969

Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): C Emission Factor Source(F): AP4TH Control Efficiency(F): Not reported Tons(F): 0.3876 Pollutant(F): PT Process Rate Units(G): MMCF Emission Factor(G): 1.490000 lbs/MMCF Emission Factor Units(G): Cal Method(G):

Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.0760 Pollutant(G): SO₂ MMCF Process Rate Units(H): Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): С **INDR** Emission Factor Source(H): Control Efficiency(H): Not reported 0.2805

Tons(H):

Emission Factor(J):

Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported

Not reported

TC4387262.2s Page 607

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Lonaitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #5 HDS REBOILER HEATER

Point: 42

Segment Description: H-9502 - REF GAS

 SCC:
 30600104

 Annual Process Rate:
 249

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 61.000000

 Emission Factor Units(A):
 lbs/MMCF

 Cal Method(A):
 C

Cal Method(A): C
Emission Factor Source(A): AP5TH

Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 19.214600 lbs/MMCF Emission Factor Units(B): Cal Method(B): C Emission Factor Source(B): **INDR**

Control Efficiency(B): Not reported

Distance Elevation

n Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(B): 2.3922 Pollutant(B): NO₂ Process Rate Units(C): MMCF Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 0.7097 Pollutant(C): PM-CON **MMCF** Process Rate Units(D): Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 0.2366 Pollutant(D): PM10-FIL Process Rate Units(E): MMCF Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 0.2366 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP4TH Control Efficiency(F): Not reported Tons(F): 0.9462 Pollutant(F): MMCF Process Rate Units(G): Emission Factor(G): 1.490000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB Not reported Control Efficiency(G): Tons(G): 0.1855

Control Efficiency(G):
Not reporter
Tons(G):
Pollutant(G):
Process Rate Units(H):
Emission Factor(H):
Emission Factor Units(H):
Cal Method(H):

Not reporter
MMCF

SO2

MMCF

5.500000

Ibs/MMCF

C

Emission Factor Source(H):

Control Efficiency(H):

Not reported
Tons(H):

Pollutant(H):

VOC

Process Rate Units(I):

Emission Factor(I):

Not reported
Emission Factor Units(I):

Cal Method(I):

Emission Factor Source(I):

Control Efficiency(I):

Not reported
Not reported
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Not reported
Tons(I):

Not reported

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported 2010 Year Of Inventory:

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #10

Point:

Segment Description: HEATER #10 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 134 Process Rate Units(A): **MMCF** Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF

Cal Method(A): Emission Factor Source(A): AP5TH

Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 100.000000 Emission Factor Units(B): lbs/MMCF

Distance Elevation Site

Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 6.7000 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C): Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.3819 PM-CON Pollutant(C): Process Rate Units(D): **MMCF** 1.900000 Emission Factor(D): Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH

Control Efficiency(D): Not reported Tons(D): 0.1273 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.1273 Pollutant(E): PM25-FIL

Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Not reported Control Efficiency(F): 0.5092 Tons(F): Pollutant(F): Process Rate Units(G): **MMCF** 1.490000 Emission Factor(G): Emission Factor Units(G): lbs/MMCF

MMCF

7.600000

Cal Method(G): С Emission Factor Source(G): MB

Process Rate Units(F): Emission Factor(F):

Control Efficiency(G): Not reported 0.0998 Tons(G): Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.3685 Pollutant(H): VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Not reported Emission Factor Units(J): Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2010

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE Plant Comment:

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #11

Point:

Segment Description: HEATER #11 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: 361 MMCF Process Rate Units(A): Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported

Pollutant(A): CO

Distance Elevation

Site Database(s) **EPA ID Number**

S110302539

EDR ID Number

CONOCOPHILLIPS COMPANY (Continued) Process Rate Units(B): **MMCF** 100.000000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported 18.0500 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): MMCF Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C): Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 1.0289 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** 1.900000 Emission Factor(D): Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.3430 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С AP5TH Emission Factor Source(E): Control Efficiency(E): Not reported 0.3430 Tons(E): Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF

Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 1.3718 Pollutant(F): PT MMCF Process Rate Units(G): Emission Factor(G): 1.490000 Emission Factor Units(G): lbs/MMCF Cal Method(G): C

Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.2689 Pollutant(G): SO2 Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.9928 Pollutant(H): VOC Process Rate Units(I): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Lonaitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported 2010 Year Of Inventory:

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions: Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #12

Point:

Segment Description: 00524 #12 - (FUEL) GAS

SCC: 30600104 Annual Process Rate: **MMCF** Process Rate Units(A): Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): AP5TH

Distance Elevation Sit

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(A): Not reported Not reported Tons(A): Pollutant(A): CO Process Rate Units(B): MMCF 100.000000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 24.4000 Pollutant(B): NO₂ Process Rate Units(C): MMCF Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): AP5TH Emission Factor Source(C): Control Efficiency(C): Not reported Tons(C): 1.3908 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 lbs/MMCF Emission Factor Units(D): Cal Method(D): С Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.4636 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.4636 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 1.8544 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.490000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.3636 Pollutant(G): SO₂ Process Rate Units(H): **MMCF** 5.500000 Emission Factor(H): Emission Factor Units(H): lbs/MMCF

C

AP5TH

Not reported

Cal Method(H):

Emission Factor Source(H):

Control Efficiency(H):

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(H): 1.3420 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Not reported Emission Factor Source(I): Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Not reported Longitude: Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

 Spt Type/Emissions:
 CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

 Plant Comment:
 UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #13

Point:

Segment Description: HEATER #13 - (FUEL) GAS

 SCC:
 30600104

 Annual Process Rate:
 65

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 84.000000

MAP FINDINGS Map ID Direction

Distance Elevation Site

Database(s) **EPA ID Number**

S110302539

EDR ID Number

CONOCOPHILLIPS COMPANY (Continued) Emission Factor Units(A): lbs/MMCF Cal Method(A): С Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): MMCF Emission Factor(B): 100.000000 Emission Factor Units(B): lbs/MMCF Cal Method(B): AP5TH Emission Factor Source(B): Control Efficiency(B): Not reported Tons(B): 3.2500 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.1853 PM-CON Pollutant(C): Process Rate Units(D): MMCF Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): C Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0618 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E):

AP5TH Emission Factor Source(E): Not reported Control Efficiency(E): 0.0618 Tons(E): Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): C

AP5TH

Control Efficiency(F): Not reported Tons(F): 0.2470 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.490000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB

Emission Factor Source(F):

Control Efficiency(G): Not reported Tons(G): 0.0484 Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 5.500000 Emission Factor Units(H): lbs/MMCF

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 0.1788 Pollutant(H): VOC Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Not reported Latitude: Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen
Emissions Contact Phone: Not reported

Year Of Inventory: 2010 Spt Type/Emissions: CO 5

 Spt Type/Emissions:
 CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

 Plant Comment:
 UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

t Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28. 29. AND 30.1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #24

Point: 21

Segment Description: HEATER #24 - (FUEL) GAS

SCC: 30600104

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Annual Process Rate: 799 **MMCF** Process Rate Units(A): Emission Factor(A): 84.000000 Emission Factor Units(A): lbs/MMCF Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): **MMCF** 100.000000 Emission Factor(B): lbs/MMCF Emission Factor Units(B): Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 39.9500 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 2.2772 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): AP5TH Emission Factor Source(D): Control Efficiency(D): Not reported Tons(D): 0.7591 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** 1.900000 Emission Factor(E): Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.7591 PM25-FIL Pollutant(E): Process Rate Units(F): MMCF Emission Factor(F): 7.600000 lbs/MMCF Emission Factor Units(F): Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 3.0362 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.490000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С

Emission Factor Source(G):

Control Efficiency(G):

Tons(G):

Pollutant(G):

MB

0.5953

SO2

Not reported

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Process Rate Units(H): **MMCF** 5.500000 Emission Factor(H): Emission Factor Units(H): lbs/MMCF Cal Method(H): С Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 2.1973 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2010

CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: **FCC UNIT**

Distance Elevation

n Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

Point:

22

Segment Description: FCC UNIT SCC: 30600201
Annual Process Rate: 6744

Process Rate Units(A):

Emission Factor(A):

Emission Factor Units(A):

1000 Barrels

10.827700

Emission Factor Units(A):

Ib/1000 bbl

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

Co

CEM

99.9000

Not reported

CO

Process Rate Units(B): 1000 Barrels
Emission Factor(B): 15.704900
Emission Factor Units(B): lb/1000 bbl

Cal Method(B): C
Emission Factor Source(B): CEM
Control Efficiency(B): Not reported
Tons(B): 52.9569

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Cal Method(C):

Emission Factor Source(C):

NO2

1000 Barrels

4.574200

Ib/1000 bbl

C C

STD

Control Efficiency(C):

Not reported
Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

Indicate State S

Cal Method(D): C
Emission Factor Source(D): STD
Control Efficiency(D): Not re

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

Not reported
31.2534

PM10-FIL
1000 Barrels
4.403900

Ib/1000 bbl

Cal Method(E): C
Emission Factor Source(E): STD

Control Efficiency(E):
Not reported
Tons(E):
14.8500
Pollutant(E):
Process Rate Units(F):
1000 Barrels
Emission Factor(F):
22.019700
Emission Factor Units(F):
Ib/1000 bbl

 Cal Method(F):
 C

 Emission Factor Source(F):
 STD

 Control Efficiency(F):
 95.5000

 Tons(F):
 74.2504

 Pollutant(F):
 PT

Process Rate Units(G): 1000 Barrels
Emission Factor(G): 9.202300
Emission Factor Units(G): lb/1000 bbl

 $\begin{array}{ll} \hbox{Cal Method}(G) \colon & \hbox{C} \\ \hbox{Emission Factor Source}(G) \colon & \hbox{CEM} \end{array}$

S110302539

EDR ID Number

MAP FINDINGS Map ID Direction

EDR ID Number Distance Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Control Efficiency(G): 50.0000 31.0302 Tons(G): Pollutant(G): SO₂

Process Rate Units(H): 1000 Barrels Emission Factor(H): 0.000500 Emission Factor Units(H): lb/1000 bbl

Cal Method(H): C Emission Factor Source(H): **INDR** Control Efficiency(H): 99.9000 Tons(H): 0.0017 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported

Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported

Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported

Not reported Pollutant(K): SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30,1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE

INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

 Point Name:
 FLARE

 Point:
 23

 Segment Description:
 FLARE

 SCC:
 30600999

 Annual Process Rate:
 130

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 371.723100

Emission Factor Units(A): lbs/MMCF
Cal Method(A): C
Emission Factor Source(A): MB
Control Efficiency(A): 0.0000
Tons(A): Not reported

Pollutant(A): CO
Process Rate Units(B): MMCF
Emission Factor(B): 69.584600
Emission Factor Units(B): lbs/MMCF
Cal Method(B): C

Emission Factor Source(B):

Control Efficiency(B):

Not reported
Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

INDR

Not reported

4.5230

NO2

Process Rate Units(C):

MMCF

Emission Factor Units(C):

Ibs/MMCF

Cal Method(C): C Emission Factor Source(C): **INDR** Control Efficiency(C): Not reported Tons(C): 1.2292 Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 6.305000 Emission Factor Units(D): lbs/MMCF

Cal Method(D): Emission Factor Source(D): **INDR** Control Efficiency(D): Not reported Tons(D): 0.4098 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 6.305000 Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): **INDR**

Control Efficiency(E):

Not reported
Tons(E):

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

Cal Method(F):

Not reported
MMCF
PM25-FIL
MMCF
25.220000

Ibs/MMCF
Cal Method(F):

C

 Emission Factor Source(F):
 INDR

 Control Efficiency(F):
 Not reported

 Tons(F):
 1.6393

 Pollutant(F):
 PT

 Process Rate Units(G):
 MMCF

 Emission Factor(G):
 12.000000

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.7800 Pollutant(G): SO₂ Process Rate Units(H): MMCF Emission Factor(H): 143.276900 Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): **INDR** Control Efficiency(H): 0.0000 Tons(H): 9.3130 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Not reported Control Efficiency(K): Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen
Emissions Contact Phone: Not reported
Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

Point Name:

S110302539

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

STORAGE TANKS

Not reported

Not reported Not reported

Not reported

Point: 24

Segment Description: GASOLINE STORAGE TANKS

 SCC:
 40399999

 Annual Process Rate:
 26235

 Process Rate Units(A):
 1000 Barrels

 Emission Factor(A):
 10.046900

 Emission Factor Units(A):
 Ib/1000 bbl

Cal Method(A):

Emission Factor Source(A):

Control Efficiency(A):

TANKS

Not reported

Tons(A):

Pollutant(A):

VOC

Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Cal Method(B): Not reported Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Not reported Emission Factor(D): Emission Factor Units(D): Not reported Cal Method(D): Not reported Emission Factor Source(D): Not reported

Emission Factor(E): Not reported Emission Factor Units(E): Not reported Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Pollutant(E): Not reported Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported

Control Efficiency(D):

Process Rate Units(E):

Tons(D):

Pollutant(D):

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Lonaitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emissions Contact Phone: Not reported Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #2 HYDROGEN PLANT HEATER

Point: 4

Segment Description: H-9701 - NAT GAS, FUEL GAS

 SCC:
 30600106

 Annual Process Rate:
 523

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 8.814500

 Emission Factor Units(A):
 lbs/MMCF

Cal Method(A): C
Emission Factor Source(A): CEM
Control Efficiency(A): Not reported

Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): MMCF

Emission Factor(B): 22.286800
Emission Factor Units(B): lbs/MMCF
Cal Method(B): C
Emission Factor Source(B): INDR

Control Efficiency(B):

Tons(B):

Pollutant(B):

Process Rate Units(C):

Emission Factor(C):

Emission Factor Units(C):

Cal Method(C):

Not reported

MMCF

5.8280

MMCF

5.700000

Ibs/MMCF

Cal Method(C):

C

Emission Factor Source(C):

AP4TH
Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor (D):

Emission Factor Units(D):

MACF

1.900000

1.900000

1.900000

1.900000

Cal Method(D): C Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 0.4969 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): C Emission Factor Source(E): AP4TH

Emission Factor Source(E):

Control Efficiency(E):

Not reported
0.4969

Pollutant(E):

Process Rate Units(F):

Emission Factor(F):

Emission Factor Units(F):

DAP4TH

Not reported
0.4969

PM25-FIL

MMCF

Find MMCF

Find MMCF

Ibs/MMCF

Cal Method(F):

Distance Elevation

tion Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(F): AP4TH Control Efficiency(F): Not reported 1.9874 Tons(F): Pollutant(F): PT MMCF Process Rate Units(G): Emission Factor(G): 0.600000 Emission Factor Units(G): lbs/MMCF Cal Method(G): Emission Factor Source(G): AP5TH Control Efficiency(G): Not reported Tons(G): 0.1569 Pollutant(G): SO₂ Process Rate Units(H): MMCF Emission Factor(H): 5.500000 lbs/MMCF Emission Factor Units(H): Cal Method(H): Emission Factor Source(H): AP5TH Control Efficiency(H): Not reported Tons(H): 1.4383 VOC Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011

Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported
Mailing Address: Not reported
Mailing City: Not reported
Mailing State: Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

#2 HYDROGEN PLANT HEATER

Point: 43

Point Name:

Segment Description: H-9701 - PSA GAS

 SCC:
 30600106

 Annual Process Rate:
 2487

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 8.817900

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 C

Emission Factor Source(A):

Control Efficiency(A):

Not reported

Not reported

Pollutant(A): CO
Process Rate Units(B): MMCF
Emission Factor(B): 6.143900
Emission Factor Units(B): lbs/MMCF

Cal Method(B): C **INDR** Emission Factor Source(B): Control Efficiency(B): Not reported 7.6399 Tons(B): Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF

Cal Method(C): Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported 7.0880 Tons(C): Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): C

Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 2.3627 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP4TH

Control Efficiency(E):
Not reported
Tons(E):
2.3627
Pollutant(E):
Process Rate Units(F):
MMCF

Distance
Elevation Site Database(s)

Not reported

Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Emission Factor(F): 3.000000 lbs/MMCF Emission Factor Units(F): Cal Method(F): С Emission Factor Source(F): AP4TH Control Efficiency(F): Not reported Tons(F): 3.7305 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 0.000000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С

 Emission Factor Source(G):
 MB

 Control Efficiency(G):
 Not reported

 Tons(G):
 0.0000

 Pollutant(G):
 SO2

 Process Rate Units(H):
 MMCF

 Emission Factor(H):
 0.000000

 Emission Factor Units(H):
 lbs/MMCF

 Cal Method(H):
 C

Emission Factor Source(H): MB

Emission Factor(I):

Tons(J):

Pollutant(J):

Control Efficiency(H):

Tons(H):

Pollutant(H):

Process Rate Units(I):

Not reported

Not reported

Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported

Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Not reported Emission Factor Source(K): Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported

SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported Not reported Not reported

Airs Number: 111-0011
Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Mailing Address:Not reportedMailing City:Not reportedMailing State:Not reportedMailing Zip:Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen
Emissions Contact Phone: Not reported
Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: JUPITER MAIN STACK

Point: 28

Segment Description: ATS PRODUCTION

SCC: 30104002 Annual Process Rate: 125969

Process Rate Units(A):

Emission Factor (A):

Cal Method(A):

Emission Factor Source(A): STD

Control Efficiency(A):
Not reported
Tons(A):
Not reported

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Cal Method(B):

Emission Factor Source(B):

Control Efficiency(B):

CO

Ton

0.842400

Ib/Ton

C

STD

Not reported

Tons(B): 53.0581 Pollutant(B): NO₂ Process Rate Units(C): Ton Emission Factor(C): 0.088900 Emission Factor Units(C): lb/Ton Cal Method(C): С STDR Emission Factor Source(C): Control Efficiency(C): Not reported

Emission Factor Source(D): STDR Not reported Control Efficiency(D): Tons(D): 5.5993 Pollutant(D): PM10-FIL Process Rate Units(E): Ton Emission Factor(E): 0.018100 Emission Factor Units(E): lb/Ton Cal Method(E): C

Emission Factor Source(E): STDR
Control Efficiency(E): Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(E): 1.1400 PM25-FIL Pollutant(E): Process Rate Units(F): Ton Emission Factor(F): 0.088900 Emission Factor Units(F): lb/Ton Cal Method(F): С Emission Factor Source(F): MB Control Efficiency(F): Not reported

Tons(F): 5.5993 Pollutant(F): PT Process Rate Units(G): Ton 0.226400 Emission Factor(G): Emission Factor Units(G): lb/Ton Cal Method(G): Emission Factor Source(G): CEM Control Efficiency(G): Not reported 14.2597 Tons(G): Pollutant(G): SO₂ Process Rate Units(H): Ton 0.000000 Emission Factor(H): Emission Factor Units(H): lb/Ton Cal Method(H): С Emission Factor Source(H): MB

Control Efficiency(H):
Not reported
0.0000
Pollutant(H):
VOC

Not reported

Not reported

Not reported

Process Rate Units(I):

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Not reported Emission Factor Units(K): Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported

Airs Number: 111-0011

PRIMARY KEY FOR SITE:

PRIMARY KEY FOR PERMITTEE:

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Latitude: Not reported
Longitude: Not reported
Mailing Company: Not reported
Mailing Address: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

JUPITER MAIN STACK

Point: 28

Point Name:

Segment Description: ELEMENTAL SULFUR RECOVERY

SCC: 30103299

Annual Process Rate: 23475

Process Rate Units(A): Tons (Long)

Emission Factor(A): 0.000000

Emission Factor Units(A): lbs/Ton (Long)

Emission Factor Units(A): lbs/To Cal Method(A): C

Emission Factor Source(A):

Control Efficiency(A):

Tons(A):

Pollutant(A):

OTHER

Not reported

Not reported

CO

Process Rate Units(B): Tons (Long)
Emission Factor(B): 0.000000
Emission Factor Units(B): lbs/Ton (Long)

 Cal Method(B):
 C

 Emission Factor Source(B):
 OTHER

 Control Efficiency(B):
 Not reported

 Tons(B):
 0.0000

 Pollutant(B):
 NO2

 Process Rate Units(C):
 Tons (Long)

 Emission Factor(C):
 0.000000

Emission Factor Units(C): lbs/Ton (Long)
Cal Method(C): C

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor(D):

Emission Factor Units(D):

Double Tons (Long)

Double Tons (Long)

Double Tons (Long)

Double Tons (Long)

 Cal Method(D):
 C

 Emission Factor Source(D):
 OTHER

 Control Efficiency(D):
 Not reported

 Tons(D):
 0.0000

 Pollutant(D):
 PM10-FIL

 Process Rate Units(E):
 Tons (Long)

 Emission Factor (E):
 0.000000

 Emission Factor Units(E):
 lbs/Ton (Long)

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(E): С Emission Factor Source(E): OTHER Control Efficiency(E): Not reported Tons(E): 0.0000 PM25-FIL Pollutant(E): Process Rate Units(F): Tons (Long) Emission Factor(F): 0.000000 Emission Factor Units(F): lbs/Ton (Long)

Cal Method(F):

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Control Efficiency(F):

Not reported
0.0000

PT

Process Rate Units(G): Tons (Long)
Emission Factor(G): 0.000000
Emission Factor Units(G): lbs/Ton (Long)

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Tons(G):

Pollutant(G):

Process Rate Units(H):

Control Efficiency(G):

Not reported
0.0000
SO2
Tons (Long)

Emission Factor(H):

Emission Factor Units(H):

Cal Method(H):

Cmission Factor Source(H):

Control Efficiency(H):

On00000

Ibs/Ton (Long)

C

OTHER

Control Efficiency(H):

Not reported
Tons(H):

Pollutant(H):

VOC

Process Rate Units(I):

Not reported
Not reported

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported

Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported

UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported

Not reported

SITE ID SIC:

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE
COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28. 29. AND 30.1993

JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: JUPITER FLARE

Point: 30

Segment Description: AMMONIUM SULFIDE PLANT

SCC: 30104002 Annual Process Rate: 16379 Process Rate Units(A): Ton Emission Factor(A): 0.000000 Emission Factor Units(A): lb/Ton Cal Method(A): Emission Factor Source(A): **OTHER** Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO

Process Rate Units(B): Ton Emission Factor(B): 0.000000 Emission Factor Units(B): lb/Ton Cal Method(B): Emission Factor Source(B): **OTHER** Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): NO₂ Process Rate Units(C): Ton 0.000000 Emission Factor(C): Emission Factor Units(C): lb/Ton Cal Method(C): C Emission Factor Source(C): OTHER

Control Efficiency(C): Not reported Tons(C): 0.0000 Pollutant(C): PM-CON Process Rate Units(D): Ton Emission Factor(D): 0.000000 Emission Factor Units(D): lb/Ton Cal Method(D): Emission Factor Source(D): OTHER Control Efficiency(D): Not reported Tons(D): 0.0000

PM10-FIL

Pollutant(D):

Distance Elevation Site

te Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(E): Ton 0.000000 Emission Factor(E): Emission Factor Units(E): lb/Ton Cal Method(E): С Emission Factor Source(E): **OTHER** Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): Ton 0.000000 Emission Factor(F): Emission Factor Units(F): lb/Ton Cal Method(F): С Emission Factor Source(F): **OTHER** Control Efficiency(F): Not reported Tons(F): 0.0000 Pollutant(F): PT Process Rate Units(G): Ton Emission Factor(G): 0.006500 Emission Factor Units(G): lb/Ton Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported

0.0532 Tons(G): Pollutant(G): SO2 Process Rate Units(H): Ton 0.012200 Emission Factor(H): Emission Factor Units(H): lb/Ton Cal Method(H): С **INDR** Emission Factor Source(H): Control Efficiency(H): Not reported 0.0999 Tons(H): Pollutant(H): VOC

Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported

Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact:

Emissions Contact Phone:

Year Of Inventory:

Allen Eggen

Not reported

2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: PMA PROCESS HTR (H-3201)

Point:

Segment Description: PMA PROCESS HTR (H-3201)

SCC: 10200603

Annual Process Rate: 0

Process Rate Units(A): MMCF

Emission Factor(A): 15.000000

Emission Factor Units(A): lbs/MMCF

Cal Method(A): C

Emission Factor Source(A): AP5TH

Control Efficiency(A):

Not reported
Tons(A):

Pollutant(A):

Process Rate Units(B):

Emission Factor(B):

Not reported

Not reported

Not reported

17.000000

lbs/MMCF Emission Factor Units(B): Cal Method(B): С Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 0.0000 Pollutant(B): NO₂ Process Rate Units(C): MMCF 12.000000 Emission Factor(C): Emission Factor Units(C): lbs/MMCF

Cal Method(C):

Emission Factor Source(C):

Control Efficiency(C):

Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Control Efficiency(C):

Not reported
0.0000

PM-CON

PM-CON

MMCF

Emission Factor(D):

12.000000

Emission Factor Units(D):

Ibs/MMCF

Cal Method(D): C
Emission Factor Source(D): AP5TH

Distance Elevation Sit

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Control Efficiency(D): Not reported 0.0000 Tons(D): Pollutant(D): PM10-FIL Process Rate Units(E): MMCF Emission Factor(E): 12.000000 Emission Factor Units(E): lbs/MMCF Cal Method(E): C Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0000 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** 12.000000 Emission Factor(F): Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.0000 Pollutant(F): Process Rate Units(G): **MMCF** Emission Factor(G): 0.600000 lbs/MMCF Emission Factor Units(G): Cal Method(G): С Emission Factor Source(G): AP5TH Control Efficiency(G): Not reported 0.0000 Tons(G): Pollutant(G): SO₂ Process Rate Units(H): **MMCF** Emission Factor(H): 5.767000 Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): **INDR** Control Efficiency(H): Not reported Tons(H): 0.0000 VOC Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Not reported Process Rate Units(J): Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

111-0011 Airs Number: Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119 UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30,1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE

INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: **RCYCL HYDRGN FRNC H-8401**

Point:

PRCSS HTR-PRCSS GAS H8401 Segment Description:

30600104 SCC: Annual Process Rate: 38 Process Rate Units(A): MMCF Emission Factor(A): 61.000000 Emission Factor Units(A): lbs/MMCF

Cal Method(A): Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): **MMCF** Emission Factor(B): 30.263200

Emission Factor Units(B): lbs/MMCF Cal Method(B): С **INDR** Emission Factor Source(B): Control Efficiency(B): Not reported Tons(B): 0.5750 Pollutant(B): NO₂

Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 0.1083 Pollutant(C): PM-CON Process Rate Units(D): MMCF

1.900000

Emission Factor(D):

Distance Elevation S

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(D): lbs/MMCF Cal Method(D): С Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 0.0361 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** 1.900000 Emission Factor(E): Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 0.0361 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.1444 Pollutant(F): PT Process Rate Units(G): **MMCF** Emission Factor(G): 1.490000 lbs/MMCF Emission Factor Units(G): Cal Method(G): C Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.0283 Pollutant(G): SO2 Process Rate Units(H): MMCF Emission Factor(H): 2.800000 Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): AP4TH Not reported Control Efficiency(H): Tons(H): 0.0532 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Not reported Control Efficiency(I): Not reported Tons(I): Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J):

Not reported

Not reported

Not reported

Not reported

Pollutant(J):

Process Rate Units(K):

Emission Factor Units(K):

Emission Factor(K):

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Cal Method(K): Not reported Not reported Emission Factor Source(K): Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Longitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE Plant Comment:

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: FRACTIONTR FD FRNC H8402

Point:

Segment Description: PRCSS HTR-PRCSS GAS H8402

SCC: 30600104 Annual Process Rate: 210 Process Rate Units(A): **MMCF**

61.000000 Emission Factor(A): Emission Factor Units(A): lbs/MMCF Cal Method(A): AP5TH Emission Factor Source(A): Control Efficiency(A): Not reported

Tons(A): Not reported Pollutant(A): CO Process Rate Units(B): **MMCF** 29.837800 Emission Factor(B): lbs/MMCF Emission Factor Units(B): Cal Method(B): C

Emission Factor Source(B): **INDR** Control Efficiency(B): Not reported Tons(B): 3.1330 Pollutant(B): NO₂ Process Rate Units(C): **MMCF** Emission Factor(C): 5.700000 lbs/MMCF Emission Factor Units(C):

Cal Method(C): Emission Factor Source(C): AP4TH Control Efficiency(C): Not reported Tons(C): 0.5985

Distance Elevation S

Site Database(s) EPA ID Number

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported Not reported

Not reported

Not reported

Not reported

Not reported

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Pollutant(C): PM-CON Process Rate Units(D): **MMCF** Emission Factor(D): 1.900000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 0.1995 Pollutant(D): PM10-FIL Process Rate Units(E): **MMCF** Emission Factor(E): 1.900000 lbs/MMCF Emission Factor Units(E): Cal Method(E): Emission Factor Source(E): AP4TH Control Efficiency(E): Not reported Tons(E): 0.1995 Pollutant(E): PM25-FIL Process Rate Units(F): **MMCF** Emission Factor(F): 7.600000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported Tons(F): 0.7980 Pollutant(F): Process Rate Units(G): **MMCF** Emission Factor(G): 1.490000 Emission Factor Units(G): lbs/MMCF Cal Method(G): С Emission Factor Source(G): MB Control Efficiency(G): Not reported Tons(G): 0.1565 Pollutant(G): SO2 Process Rate Units(H): **MMCF** 2.800000 Emission Factor(H): Emission Factor Units(H): lbs/MMCF Cal Method(H): Emission Factor Source(H): AP4TH Control Efficiency(H): Not reported Tons(H): 0.2940 Pollutant(H): VOC Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Not reported Cal Method(I):

Emission Factor Source(I):

Control Efficiency(I):

Process Rate Units(J):

Emission Factor Units(J):

Emission Factor Source(J):

Emission Factor(J):

Control Efficiency(J):

Cal Method(J):

Tons(I):

Tons(J):

Pollutant(J):

Pollutant(I):

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MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(K): Not reported Not reported Emission Factor(K): Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Not reported Tons(K): Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: Not reported Lonaitude: Not reported Mailing Company: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported

SIC/NAIC: 2911 - Petroleum Refining/324110- Petroleum Refineries

Emissions Contact: Allen Eggen **Emissions Contact Phone:** Not reported

Year Of Inventory: 2010

Spt Type/Emissions: CO 511.6527 NO2 540.8874 PM-CON 60.9632 PM10-FIL 51.5676 PM25-FIL 30.5614 PT 119

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY D. LINKENBACH 3/11. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30.1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: **FOUR BOILERS**

Point:

4 BOILERS-OIL FUEL Segment Description:

SCC: 10200401 Annual Process Rate: 17

Process Rate Units(A): 1000 Gallons Emission Factor(A): 5.000000 lbs/1000 Gallons Emission Factor Units(A):

Cal Method(A): C Emission Factor Source(A): AP4TH Control Efficiency(A): Not reported Tons(A): Not reported

Pollutant(A): CO

Process Rate Units(B): 1000 Gallons Emission Factor(B): 129.108500 lbs/1000 Gallons Emission Factor Units(B):

Cal Method(B):

С Emission Factor Source(B): STDR Control Efficiency(B): Not reported Tons(B): 1.0974 Pollutant(B): NO₂ Process Rate Units(C): 1000 Gallons

Emission Factor(C): 1.500000 Emission Factor Units(C): lbs/1000 Gallons

Cal Method(C):

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(C):

Control Efficiency(C):

Not reported
0.0128

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

AP5TH
Not reported
1.0128

PM-CON
1.000 Gallons
1.000 Gallons
1.000 Gallons
1.000 Gallons
1.000 Gallons

Cal Method(D):

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

Emission Factor Units(E):

C

AP4TH

Not reported

0.0264

PM10-FIL

1000 Gallons

3.851500

Emission Factor Units(E):

Ibs/1000 Gallons

Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.0327 PM25-FIL Pollutant(E): Process Rate Units(F): 1000 Gallons Emission Factor(F): 4.776000 Emission Factor Units(F): lbs/1000 Gallons Cal Method(F):

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

C AP4TH

Not reported

0.0406

PT

Process Rate Units(G): 1000 Gallons
Emission Factor(G): 2539.764700
Emission Factor Units(G): lbs/1000 Gallons

Cal Method(G):

Emission Factor Source(G):

Control Efficiency(G):

Not reported
Tons(G):

21.5880

Pollutant(G):

SO2

Process Rate Units(H): 1000 Gallons
Emission Factor(H): 0.760000
Emission Factor Units(H): lbs/1000 Gallons

Cal Method(H):

Emission Factor Source(H):

Control Efficiency(H):

Tons(H):

Pollutant(H):

Process Rate Units(I):

C

AP5TH

Not reported

0.0065

VOC

Not reported

Not reported Emission Factor(I): Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Not reported Cal Method(K): Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 -108.48906 Longitude:

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

MMCF

Emissions Contact: ALLEN C EGGEN **Emissions Contact Phone:** (406) 255-2626

Year Of Inventory: 2008

CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM Spt Type/Emissions:

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30, 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: HEATER #15

Point: 12

Segment Description: HEATER #15 - (FUEL) GAS

SCC: 30600104 Annual Process Rate:

Process Rate Units(A): **MMCF** Emission Factor(A): 0.9214 Emission Factor Units(A): lbs/MMCF Cal Method(A): C

Emission Factor Source(A): MB Control Efficiency(A): Not reported

Tons(A): 0.0018 Pollutant(A): SO2 Process Rate Units(B): **MMCF** 5.5000 Emission Factor(B): Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 0.0110 Pollutant(B): VOC

Process Rate Units(C):

Distance Elevation Sit

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(C): 7.6000 lbs/MMCF Emission Factor Units(C): Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 0.0152 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 lbs/MMCF Emission Factor Units(D): Cal Method(D): C Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 0.0152 Pollutant(D): Process Rate Units(E): **MMCF** Emission Factor(E): 84.0000 lbs/MMCF Emission Factor Units(E): Cal Method(E): Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported Tons(E): 0.1680 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 lbs/MMCF Emission Factor Units(F): Cal Method(F): Emission Factor Source(F): AP5TH Control Efficiency(F): Not reported 0.2000 Tons(F): Pollutant(F): NO2 Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Not reported Cal Method(G): Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Tons(H): Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported Not reported

Not reported

Not reported

Not reported

Not reported

Pollutant(H):

Cal Method(I):

Tons(I):

Pollutant(I):

Process Rate Units(I):

Emission Factor Units(I):

Emission Factor Source(I):

Emission Factor(I):

Control Efficiency(I):

Process Rate Units(J):

Emission Factor(J):

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MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported Not reported UNIQUE IDENTIFIER: SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011

Latitude: 45.780642 Lonaitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: MT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Not reported

Emissions Contact: ALLEN C EGGEN (406) 255-2626 **Emissions Contact Phone:**

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

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Point Name: HEATER #11

Point:

HEATER #11 - (FUEL) GAS Segment Description:

SCC: 30600104 Annual Process Rate: 377 Process Rate Units(A): **MMCF** Emission Factor(A): 0.9214 Emission Factor Units(A): lbs/MMCF Cal Method(A): C

Emission Factor Source(A): MB

Control Efficiency(B):

Control Efficiency(A): Not reported Tons(A): 0.1737 Pollutant(A): SO2 Process Rate Units(B): **MMCF** Emission Factor(B): 5.5000 lbs/MMCF Emission Factor Units(B): Cal Method(B): C Emission Factor Source(B): AP5TH

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Distance Elevation

ration Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(B): 1.0368 VOC Pollutant(B): Process Rate Units(C): MMCF Emission Factor(C): 7.6000 lbs/MMCF Emission Factor Units(C): Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 1.4326 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 7.6000 lbs/MMCF Emission Factor Units(D): Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported 1.4326 Tons(D): Pollutant(D): PT Process Rate Units(E): **MMCF** 84.0000 Emission Factor(E): lbs/MMCF Emission Factor Units(E): Cal Method(E): С Emission Factor Source(E): AP5TH Control Efficiency(E): Not reported 15.8340 Tons(E): Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 100.0000 Emission Factor Units(F): lbs/MMCF Cal Method(F): С AP5TH Emission Factor Source(F): Control Efficiency(F): Not reported Tons(F): 18.8500 Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Not reported Emission Factor(H): Not reported Emission Factor Units(H): Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Not reported Emission Factor Units(I): Cal Method(I): Not reported Emission Factor Source(I): Not reported

Not reported

Not reported

Control Efficiency(I):

Tons(I):

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

Pollutant(I): Not reported Not reported Process Rate Units(J): Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

Airs Number: 111-0011 Latitude: 45.780642 Longitude: -108.48906

Mailing Company: **CONOCOPHILLIPS COMPANY** Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: **BILLINGS** Mailing State: ΜT Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN (406) 255-2626 **Emissions Contact Phone:**

2008 Year Of Inventory:

CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM Spt Type/Emissions:

UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE Plant Comment:

> COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: **FOUR BOILERS**

Point:

Segment Description: 4 BOILERS-PROCESS GAS

SCC: 10200701 Annual Process Rate: 1493 Process Rate Units(A): MMCF Emission Factor(A): 0.9214 Emission Factor Units(A): lbs/MMCF Cal Method(A): C Emission Factor Source(A): CEM

Control Efficiency(A): Not reported Tons(A): 0.6878 Pollutant(A): SO2 Process Rate Units(B): MMCF Emission Factor(B): 4.3467 Emission Factor Units(B): lbs/MMCF

MAP FINDINGS Map ID Direction

Distance Elevation

Site Database(s) **EPA ID Number**

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(B): С Emission Factor Source(B): AP5TH Control Efficiency(B): Not reported Tons(B): 3.2448 Pollutant(B): PT Process Rate Units(C): **MMCF** 4.3467 Emission Factor(C): Emission Factor Units(C): lbs/MMCF Cal Method(C): С Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 3.2448 Pollutant(C): PM10 Process Rate Units(D): **MMCF** Emission Factor(D): 5.5000 Emission Factor Units(D): lbs/MMCF Cal Method(D): Emission Factor Source(D): AP5TH Control Efficiency(D): Not reported Tons(D): 4.1058 Pollutant(D): VOC Process Rate Units(E): MMCF Emission Factor(E): 58.1140 Emission Factor Units(E): lbs/MMCF Cal Method(E): C Emission Factor Source(E): CEM Control Efficiency(E): Not reported Tons(E): 43.3821 Pollutant(E): CO MMCF Process Rate Units(F): Emission Factor(F): 260.4726 Emission Factor Units(F): lbs/MMCF Cal Method(F): Emission Factor Source(F): CEM Not reported Control Efficiency(F): 194.4428 Tons(F): Pollutant(F): NO₂ Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Tons(G):

Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Not reported Pollutant(H): Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Cal Method(I): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Not reported Emission Factor Units(J): Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported Airs Number: 111-0011

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City:BILLINGSMailing State:MTMailing Zip:59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #2 HYDROGEN PLANT HEATER

Point: 43

Segment Description: H-9701 - PSA GAS

SCC: 30600106

Annual Process Rate: 2588

Process Rate Units(A): MMCF

Emission Factor(A): 0.0000

Emission Factor Units(A): lbs/MMCF

Cal Method(A): C

Emission Factor Source(A): MB

Control Efficiency(A):
Not reported
Tons(A):
Pollutant(A):
SO2

Distance Elevation Site

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Process Rate Units(B): MMCF
Emission Factor(B): 0.0000
Emission Factor Units(B): lbs/MMCF
Cal Method(B): C
Emission Factor Source(B): MB

Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): VOC Process Rate Units(C): **MMCF** Emission Factor(C): 2.2975 lbs/MMCF Emission Factor Units(C): Cal Method(C): С Emission Factor Source(C): AP4TH

Control Efficiency(C):

Not reported
Tons(C):

Pollutant(C):

Process Rate Units(D):

Emission Factor(D):

Emission Factor Units(D):

Cal Method(D):

Cantrol Efficiency(C):

AP41H

AP41H

AP41H

AP41H

AP41H

Cal Mpthod(C):

Not reported

2.9730

PM10

PMCF

2.2975

Ibs/MMCF

C

Emission Factor Source(D):

Control Efficiency(D):

Tons(D):

Pollutant(D):

Process Rate Units(E):

Emission Factor(E):

AP4TH

Not reported

2.9730

PT

MMCF

4.7697

Emission Factor Units(E): lbs/MMCF Cal Method(E): С Emission Factor Source(E): CEM Control Efficiency(E): Not reported Tons(E): 6.1720 Pollutant(E): CO Process Rate Units(F): **MMCF** Emission Factor(F): 6.4753 lbs/MMCF Emission Factor Units(F):

Cal Method(F):

Emission Factor Source(F):

Control Efficiency(F):

Tons(F):

Pollutant(F):

Process Rate Units(G):

C

INDR

Not reported

NO2

Not reported

Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Not reported Control Efficiency(G): Tons(G): Not reported Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Not reported Pollutant(I): Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
 111-0011

 Latitude:
 45.780642

 Longitude:
 -108.48906

Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993 JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #2 HYDROGEN PLANT RELIEF VENT

INDR

Point: 44

Emission Factor Source(A):

Segment Description: RELIEF VENT - PSA GAS

 SCC:
 30600802

 Annual Process Rate:
 0

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 2617.1111

 Emission Factor Units(A):
 Ibs/MMCF

 Cal Method(A):
 O

Distance
Elevation Site Database(s)

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

EPA ID Number

Control Efficiency(A): Not reported 2.0010 Tons(A): Pollutant(A): CO Process Rate Units(B): Not reported Emission Factor(B): Not reported Emission Factor Units(B): Not reported Not reported Cal Method(B): Emission Factor Source(B): Not reported Control Efficiency(B): Not reported Tons(B): Not reported Pollutant(B): Not reported Process Rate Units(C): Not reported Emission Factor(C): Not reported Emission Factor Units(C): Not reported Cal Method(C): Not reported Emission Factor Source(C): Not reported Control Efficiency(C): Not reported Tons(C): Not reported Pollutant(C): Not reported Process Rate Units(D): Not reported Emission Factor(D): Not reported Emission Factor Units(D): Not reported Not reported Cal Method(D): Emission Factor Source(D): Not reported Control Efficiency(D): Not reported Tons(D): Not reported Pollutant(D): Not reported Process Rate Units(E): Not reported Emission Factor(E): Not reported Not reported Emission Factor Units(E): Cal Method(E): Not reported Emission Factor Source(E): Not reported Control Efficiency(E): Not reported Tons(E): Not reported Not reported Pollutant(E): Process Rate Units(F): Not reported Emission Factor(F): Not reported Emission Factor Units(F): Not reported Cal Method(F): Not reported Emission Factor Source(F): Not reported Control Efficiency(F): Not reported Tons(F): Not reported Pollutant(F): Not reported Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Emission Factor Source(G): Not reported Control Efficiency(G): Not reported Not reported Tons(G): Pollutant(G): Not reported Process Rate Units(H): Not reported Emission Factor(H): Not reported Emission Factor Units(H): Not reported Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Emission Factor(I): Not reported Emission Factor Units(I): Not reported Not reported Cal Method(I): Not reported Emission Factor Source(I): Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Cal Method(J): Not reported Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Not reported Tons(J): Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

 Airs Number:
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Mailing Company: CONOCOPHILLIPS COMPANY
Mailing Address: 401 S 23RD STREET PO BOX 30198

Mailing City: BILLINGS
Mailing State: MT
Mailing Zip: 59107

SIC/NAIC: 2911-Petroleum Refining, 324110-Petroleum Refineries

Emissions Contact: ALLEN C EGGEN Emissions Contact Phone: (406) 255-2626

Year Of Inventory: 2008

Spt Type/Emissions: CO-499.1099, PT-96.0547, NH3-18.0653, NO2-602.6742, SO2-107.9099, VOC-414.8357, PM

Plant Comment: UPDATED BY J. HUGHES, ENTERED BY L. RADONICH 3/09. 1993 UPDATE

COMBINED JUPITER SULFUR PLANTS WITH CONOCOPOINTS 28, 29, AND 30. 1993
JUPITER SULFUR ESTIMATED EMISSIONS FOR NH3=TONS/YR H-3201, PMASPHALT

BLENDING UNIT INSTALLED 8/18/94H-8401, RECYCLE HYDROGEN FURNACE INSTALLED 10/30/94H-8402, FRACTIONATOR FEED FURNACE INSTALLED 10/30/9

Point Name: #2 HYDROGEN PLANT HEATER

Point: 43

Segment Description: H-9701 - NATURAL GAS

 SCC:
 30600106

 Annual Process Rate:
 502

 Process Rate Units(A):
 MMCF

 Emission Factor(A):
 0.6000

Distance Elevation

Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Emission Factor Units(A): lbs/MMCF Cal Method(A): С Emission Factor Source(A): AP5TH Control Efficiency(A): Not reported Tons(A): 0.1506 Pollutant(A): SO₂ Process Rate Units(B): MMCF Emission Factor(B): 5.0000 Emission Factor Units(B): lbs/MMCF Cal Method(B): Emission Factor Source(B): CEM Control Efficiency(B): Not reported Tons(B): 1.2550 Pollutant(B): CO Process Rate Units(C): **MMCF** Emission Factor(C): 5.5000 Emission Factor Units(C): lbs/MMCF Cal Method(C): Emission Factor Source(C): AP5TH Control Efficiency(C): Not reported Tons(C): 1.3805 VOC Pollutant(C): Process Rate Units(D): MMCF Emission Factor(D): 7.6000 lbs/MMCF Emission Factor Units(D): Cal Method(D): C Emission Factor Source(D): AP4TH Control Efficiency(D): Not reported Tons(D): 1.9076 Pollutant(D): PM10 Process Rate Units(E): MMCF Emission Factor(E): 7.6000 Emission Factor Units(E): lbs/MMCF Cal Method(E): Emission Factor Source(E): AP4TH Not reported Control Efficiency(E): 1.9076 Tons(E): Pollutant(E): PT Process Rate Units(F): **MMCF** 21.8055 Emission Factor(F): lbs/MMCF Emission Factor Units(F): Cal Method(F): С Emission Factor Source(F): **INDR** Control Efficiency(F): Not reported Tons(F): 5.4732 NO₂ Pollutant(F): Process Rate Units(G): Not reported Emission Factor(G): Not reported Emission Factor Units(G): Not reported Cal Method(G): Not reported Not reported Emission Factor Source(G):

> Not reported Not reported

> Not reported

Not reported

Not reported

Not reported

Control Efficiency(G):

Process Rate Units(H):

Emission Factor Units(H):

Emission Factor(H):

Tons(G): Pollutant(G):

Direction Distance Elevation

evation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Cal Method(H): Not reported Emission Factor Source(H): Not reported Control Efficiency(H): Not reported Tons(H): Not reported Pollutant(H): Not reported Process Rate Units(I): Not reported Not reported Emission Factor(I): Emission Factor Units(I): Not reported Cal Method(I): Not reported Emission Factor Source(I): Not reported Control Efficiency(I): Not reported Not reported Tons(I): Pollutant(I): Not reported Process Rate Units(J): Not reported Emission Factor(J): Not reported Emission Factor Units(J): Not reported Not reported Cal Method(J): Emission Factor Source(J): Not reported Control Efficiency(J): Not reported Tons(J): Not reported Pollutant(J): Not reported Process Rate Units(K): Not reported Emission Factor(K): Not reported Emission Factor Units(K): Not reported Cal Method(K): Not reported Emission Factor Source(K): Not reported Control Efficiency(K): Not reported Tons(K): Not reported Pollutant(K): Not reported SITE ID SIC: Not reported UNIQUE IDENTIFIER: Not reported SEGMENT/POLLUTANT COMMENT: Not reported PRIMARY KEY FOR SITE: Not reported PRIMARY KEY FOR PERMITTEE: Not reported

REM RPROGRAM:

Site ID: CONB

Lat/Long: 45.782499 / -108.48917

Program: HWA Alias Names: Not reported

Operation: Operated from 1949 to N/A

Location: 401 S. 23rd St

Township: 1S Range: 26E P Section: 2

LL Coment: Not reported **Delisted Date:** 12/21/1996 Petition Date: Not reported Not reported Agreement Date: Name: MDEQ STAFF Phone Work: (406) 444-6444 EMail: Not reported Retrieve Date Site Summary: 05/31/2015

Site Summary: March 22, 1994Conoco Billings Refinery, at 401 South 23rd Street in

Billings, is an active, approximately 150-acre oil refinery and tank farm which has operated since 1949. Hazardous substances and wastes,

primarily petroleum products, have been sto

Direction Distance

Elevation Site Database(s) EPA ID Number

CONOCOPHILLIPS COMPANY (Continued)

S110302539

EDR ID Number

Detail As Of March 2013:

 Start Date:
 01/01/1990

 End Date:
 11/30/1990

 Report Date:
 Not reported

Description: Interim Action - RCRA Closure/Post-Closure Actions - API Oily Sludge

Pit; Tetraethyl Lead (TEL) weathering Site; and South Oily Sludge

Pits.

Purpose: To close waste treatment or storage units and meet RCRA requirements

for closure.

Contaminant:

Sphere: Groundwater
Contaminant: BTEX; PAH; TPH

Observed: Yes

Low Depth: Not reported Matieral Volume: Not reported Receptor: Not reported Distance: Not reported Area Impacted: Not reported

Remark: Free product, TPH-diesel, BTEX, oil & grease, chlorinated

hydrocarbons, PAHs & metals found in groundwater. Low levels of phenols & some pesticides also found. Some evidence of off-site

migration along N facility boundary.

Sphere: Soils

Contaminant: Metals; TPH; Volatile

Observed: Yes

Low Depth: Not reported Matieral Volume: Not reported Receptor: Onsite workers

Distance:

Area Impacted: Not reported

Remark: Some on-site soils contain elevated TPH, volatile and semi-volatile

organic compounds and some metals.

Program:

Program: CECRA
Program Date: Not reported
Listed Date: 01/01/1989
DeListed Date: 12/21/1996

State Rank: Referred to another program

Referred: Not reported

 Program:
 CERCLA

 Program Date:
 08/01/1980

 Listed Date:
 08/01/1980

 DeListed Date:
 12/24/1987

 State Rank:
 Not reported

 Referred:
 12/24/1987

Program: HWA
Program Date: 08/01/1980
Listed Date: Not reported
DeListed Date: 12/21/1996

State Rank: Referred to another program

Referred: Not reported

Direction Distance

Elevation Site **EPA ID Number** Database(s)

AB110 PHILLIPS 66 COMPANY BILLINGS REFINERY RCRA-TSDF 1000331305

SSE 401 S 23RD ST **CERC-NFRAP** 59101CNCBL401SO

1/4-1/2 BILLINGS, MT 59101 CORRACTS 0.432 mi. **RCRA-LQG**

RAATS Relative: **US FIN ASSUR** Lower 2020 COR ACTION **Financial Assurance**

Actual: 3115 ft.

2282 ft.

RCRA-TSDF: Date form received by agency: 02/24/2014

Site 3 of 3 in cluster AB

PHILLIPS 66 COMPANY BILLINGS REFINERY Facility name:

Facility address: 401 S 23RD ST

BILLINGS, MT 591014337

EPA ID: MTD006229405 Mailing address: PO BOX 30198

BILLINGS, MT 591070198

Contact: MARK J COHN Contact address: PO BOX 30198

BILLINGS, MT 591070198

Contact country: US

Contact telephone: (406) 255-2672

Contact email: MARK.J.COHN@P66.COM

EPA Region: 08 Land type: Private **TSDF** Classification:

Description: Handler is engaged in the treatment, storage or disposal of hazardous

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any

> calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CONOCOPHILLIPS COMPANY N DAIRY ASHFORD ST

Owner/operator address:

HOUSTON, TX 77079

Owner/operator country: US

(281) 293-1000 Owner/operator telephone:

Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 08/30/2002 Owner/Op end date: 04/26/2012

CONOCO INC Owner/operator name: Owner/operator address: PO BOX 30198

BILLINGS, MT 59107

Owner/operator country:

Owner/operator telephone: (406) 255-2677 **EDR ID Number**

TRIS

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/13/1917
Owner/Op end date: 08/30/2002

Owner/operator name: PHILLIPS 66 COMPANY

Owner/operator address: PO BOX 30198

BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2560

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/26/2012
Owner/Op end date: Not reported

Owner/operator name: CONOCOPHILLIPS COMPANY

Owner/operator address: PO BOX 30198

BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2677

Legal status: Private
Owner/Operator Type: Operator

Owner/Op start date: 08/30/2002 Owner/Op end date: 04/26/2012

Owner/operator name: PHILLIPS 66 COMPANY

Owner/operator address: PO BOX 30198

BILLINGS, MT 59107

Owner/operator country: US

Owner/operator telephone: (406) 255-2560

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/26/2012
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: Yes Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D002

. Waste name: CORROSIVE WASTE

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste code: D003

. Waste name: REACTIVE WASTE

Waste code: D006
Waste name: CADMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010 . Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ACCHATE, ETHTL BENZENE, ETHTLETHER, METHTL ISOBUTT RETONE, N-BUTTL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY

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PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE

BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

. Waste code: K048

Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K050

Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K051

Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste code: K169

. Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Waste code: K170

. Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION

SOLIDS FROM PETROLEUM REFINING OPERATIONS

Waste code: K171

. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Waste code: U057

. Waste name: CYCLOHEXANONE (I)

Waste code: U154

. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

Historical Generators:

Date form received by agency: 02/24/2014

Site name: PHILLIPS 66 COMPANY BILLINGS REFINERY

Classification: Large Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D002

. Waste name: CORROSIVE WASTE

Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D004 . Waste name: ARSENIC

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PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

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. Waste code: D006
. Waste name: CADMIUM

Waste code: D007

. Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

. Waste code: D010 SELENIUM

Waste code: D018
Waste name: BENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: F003

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT
MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT
NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS
CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED
SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR
MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL
BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

. Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE

ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE

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PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Date form received by agency: 03/04/2013

Site name: PHILLIPS 66 COMPANY BILLINGS REFINERY

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

Waste name: REACTIVE WASTE

Waste code: D006
Waste name: CADMIUM

. Waste code: D009
. Waste name: MERCURY

Waste code: D010
Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D039

Waste name: TETRACHLOROETHYLENE

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

 ${\tt ACETATE}, {\tt ETHYL} \ {\tt BENZENE}, \ {\tt ETHYL} \ {\tt ETHER}, \ {\tt METHYL} \ {\tt ISOBUTYL} \ {\tt KETONE}, \ {\tt N-BUTYL}$

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

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Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

. Waste code: K048

. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

. Waste code: K050

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K051

. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste code: K169

. Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Waste code: K170

Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION

SOLIDS FROM PETROLEUM REFINING OPERATIONS

Waste code: K171

Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Waste code: U057

. Waste name: CYCLOHEXANONE (I)

. Waste code: U154

. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

Date form received by agency: 02/29/2012

Site name: PHILLIPS 66 COMPANY BILLINGS REFINERY

Classification: Large Quantity Generator

Distance EDR ID Number
Elevation Site EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

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. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D006 . Waste name: CADMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010 . Waste name: SELENIUM

Waste code: D018
Waste name: BENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1.1.2.

TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Waste code: F003

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT
NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS
CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED
SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR
MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL
BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

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PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

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EDR ID Number

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F037

PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY Waste name:

> SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS: TANKS AND IMPOUNDMENTS: DITCHES AND OTHER CONVEYANCES: SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

Waste code: K048

Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K050

HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING Waste name:

INDUSTRY.

Waste code: K051

Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste code:

CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS Waste name:

Waste code: K170

CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION Waste name:

SOLIDS FROM PETROLEUM REFINING OPERATIONS

Waste code: K171

SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING Waste name:

> OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Waste code: U057

Waste name: CYCLOHEXANONE (I)

Waste code:

Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

Date form received by agency: 02/29/2012

CONOCOPHILLIPS COMPANY BILLINGS REFINERY Site name:

Classification: Large Quantity Generator

Waste code: D001

Waste name: **IGNITABLE WASTE**

Waste code: D003

Waste name: REACTIVE WASTE

Waste code: D006 Map ID Direction Distance Elevation MAP FINDINGS

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PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

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. Waste name: CADMIUM

. Waste code: D007

. Waste name: CHROMIUM

Waste code: D009
Waste name: MERCURY

. Waste code: D010 . Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT

NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

. Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE

BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

. Waste code: K050

Direction Distance Elevation

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PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

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EDR ID Number

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

. Waste code: K170

. Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION

SOLIDS FROM PETROLEUM REFINING OPERATIONS

. Waste code: K171

. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Date form received by agency: 02/10/2012

Site name: PHILLIPS 66 COMPANY BILLINGS REFINERY

Classification: Large Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

Waste name: CORROSIVE WASTE

Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

Waste code: D009
Waste name: MERCURY

. Waste code: D010 SELENIUM

. Waste code: D018
. Waste name: BENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: F002

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

Map ID Direction Distance Elevation MAP FINDINGS

EDR ID Number
n Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F037

Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

Waste code: K048

Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K050

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K051

Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste code: K169

Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Waste code: K170

Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION

SOLIDS FROM PETROLEUM REFINING OPERATIONS

. Waste code: K171

Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

. Waste code: U057

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste name: CYCLOHEXANONE (I)

. Waste code: U154

. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

Date form received by agency: 03/10/2010

Site name: CONOCOPHILLIPS COMPANY BILLINGS REFINERY

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

Waste name: REACTIVE WASTE

Waste code: D004
Waste name: ARSENIC

. Waste code: D006 . Waste name: CADMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010 SELENIUM

. Waste code: D018
. Waste name: BENZENE

Waste code: D035

Waste name: METHYL ETHYL KETONE

Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS

Distance Elevation

Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

. Waste code: K050

Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K051

. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste code: K171

. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

. Waste code: U057

. Waste name: CYCLOHEXANONE (I)

Waste code: U154

Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

Date form received by agency: 03/10/2010

Site name: CONOCOPHILLIPS CO BILLINGS REFINERY

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D002

Waste name: CORROSIVE WASTE

Waste code: D003

. Waste name: REACTIVE WASTE

Waste code: D006
Waste name: CADMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010 . Waste name: SELENIUM Map ID Direction Distance

Elevation

MAP FINDINGS

Site EDR ID Number
Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035

. Waste name: METHYL ETHYL KETONE

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

. Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE

ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN ONE OR MORE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

. Waste code: K048

Direction Distance Elevation

EDR ID Number tion Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

. Waste code: K050

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K051

. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste code: K169

. Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Waste code: K170

Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION

SOLIDS FROM PETROLEUM REFINING OPERATIONS

Waste code: K171

. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Waste code: U057

. Waste name: CYCLOHEXANONE (I)

. Waste code: U154

. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

Date form received by agency: 07/15/2008

Site name: CONOCOPHILLIPS CO BILLINGS REFINERY

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D006 . Waste name: CADMIUM

Waste code: D009
Waste name: MERCURY

Waste code: D010
Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: F002

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

. Waste code: K048

. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K050

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K169

. Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Waste code: K170

. Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION

SOLIDS FROM PETROLEUM REFINING OPERATIONS

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste code: K171

. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

. Waste code: U220

. Waste name: BENZENE, METHYL- (OR) TOLUENE

Date form received by agency: 03/05/2008

Site name: CONOCOPHILLIPS CO BILLINGS REFINERY

Classification: Large Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D002

Waste name: CORROSIVE WASTE

Waste code: D003

. Waste name: REACTIVE WASTE

Waste code: D006
Waste name: CADMIUM

. Waste code: D008
. Waste name: LEAD
. Waste code: D009

. Waste name: MERCURY
. Waste code: D010

. Waste code: D018
. Waste name: BENZENE

Waste code: D035

Waste name:

Waste name: METHYL ETHYL KETONE

SELENIUM

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Waste code: D040

Waste name: TRICHLORETHYLENE

Waste code: F003

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

 ${\tt ACETATE}, {\tt ETHYL} \ {\tt BENZENE}, \ {\tt ETHYL} \ {\tt ETHER}, \ {\tt METHYL} \ {\tt ISOBUTYL} \ {\tt KETONE}, \ {\tt N-BUTYL}$

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT
MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT
NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS
CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED
SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR
MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037

Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

Waste code: K048

. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

. Waste code: K049

. Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste code: K050

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K169

Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Waste code: K170

Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION

SOLIDS FROM PETROLEUM REFINING OPERATIONS

Waste code: K171

Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Waste code: U220

. Waste name: BENZENE, METHYL- (OR) TOLUENE

Date form received by agency: 02/28/2008

Site name: CONOCOPHILLIPS CO BILLINGS REFINERY

Classification: Large Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D006 . Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

. Waste code: D010 . Waste name: SELENIUM

Waste code: D018
Waste name: BENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

Waste code: D039

. Waste name: TETRACHLOROETHYLENE

. Waste code: D040

Waste name: TRICHLORETHYLENE

Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

. Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

Distance Elevation

Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

. Waste code: K048

. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K049

Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste code: K050

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K169

. Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Waste code: K170

. Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION

SOLIDS FROM PETROLEUM REFINING OPERATIONS

Waste code: K171

. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Waste code: U220

. Waste name: BENZENE, METHYL- (OR) TOLUENE

Date form received by agency: 03/03/2006

Site name: CONOCOPHILLIPS CO BILLINGS REFINERY

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D002

Waste name: CORROSIVE WASTE

Waste code: D003

Waste name: REACTIVE WASTE

. Waste code: D006 . Waste name: CADMIUM

. Waste code: D008 . Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: D040

. Waste name: TRICHLORETHYLENE

. Waste code: F003

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037

Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE

ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN ONE OR MORE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

_.....

Waste code: K048

. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

. Waste code: K049

Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Direction Distance Elevation

Site EDR ID Number

Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste code: K050

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

. Waste code: K169

Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Waste code: K170

Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION

SOLIDS FROM PETROLEUM REFINING OPERATIONS

Waste code: K171

Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Waste code: U220

. Waste name: BENZENE, METHYL- (OR) TOLUENE

Date form received by agency: 03/01/2006

Site name: CONOCOPHILLIPS CO BILLINGS REFINERY

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

Waste code: D006
Waste name: CADMIUM

. Waste code: D008 . Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

Waste code: D010
Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

Waste code: D035

Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

. Waste code: D040

. Waste name: TRICHLORETHYLENE

. Waste code: F003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site EDR ID Number
Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

. Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

. Waste code: K048

Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

. Waste code: K049

. Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste code: K050

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K169

Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Waste code: K170

Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION

SOLIDS FROM PETROLEUM REFINING OPERATIONS

. Waste code: K171

Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste code: U220

. Waste name: BENZENE, METHYL- (OR) TOLUENE

Date form received by agency: 09/02/2004

Site name: CONOCOPHILLIPS CO BILLINGS REFINERY

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D004 . Waste name: ARSENIC

Waste code: D006
Waste name: CADMIUM

Waste code: D007

. Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

. Waste code: D010 . Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

Distance Elevation

on Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

Waste code: K049

Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste code: K050

Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

. Waste code: K171

. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Date form received by agency: 03/01/2004

Site name: CONOCOPHILLIPS CO BILLINGS REFINERY

Classification: Large Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D003

Waste name: REACTIVE WASTE

Waste code: D004
Waste name: ARSENIC

Waste code: D006
Waste name: CADMIUM

Waste code: D007

Waste name: CHROMIUM

. Waste code: D008 . Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D010

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037

Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

. Waste code: K049

. Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste code: K050

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

. Waste code: K171

. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER

Distance Elevation Site

ite Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Date form received by agency: 02/26/2004

Site name: CONOCOPHILLIPS CO BILLINGS REFINERY

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

Waste code: D007

Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

. Waste code: D010 . Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

Waste code: D035

Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: F003

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS

Direction Distance Elevation

Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

LISTING.

. Waste code: K049

Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste code: K050

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

Waste code: K171

. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Date form received by agency: 02/25/2003

Site name: CONOCOPHILLIPS CO BILLINGS REFINERY

Classification: Large Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

Waste code: D002

. Waste name: CORROSIVE WASTE

Waste code: D003

Waste name: REACTIVE WASTE

Waste code: D006
Waste name: CADMIUM

Waste code: D007

Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

. Waste code: D010 . Waste name: SELENIUM Map ID
Direction
Distance

Distance EDR ID Number
Elevation Site EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035

. Waste name: METHYL ETHYL KETONE

Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

. Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE

BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

. Waste code: K169

Map ID MAP FINDINGS
Direction

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

. Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Date form received by agency: 03/01/2001

Site name: CONOCO REFINERY BILLINGS Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D006 . Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Waste code: D010
Waste name: SELENIUM

Waste code: D018
Waste name: BENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Waste code: D040

. Waste name: TRICHLORETHYLENE

Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT
MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT
NONHAL OGENATED SOLVENTS: AND ALL SPENT SOLVENT MIXTURES/BLENDS

NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037

. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS

Direction Distance Elevation

ation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS

Waste code: K050

. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY.

LISTING.

Waste code: K169

. Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Waste code: K171

Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING

OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Waste code: U220

. Waste name: BENZENE, METHYL- (OR) TOLUENE

Waste code: U226

Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Waste code: U228

. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Date form received by agency: 03/15/2000

Site name: CONOCO REFINERY BILLINGS Classification: Large Quantity Generator

Date form received by agency: 02/26/1998

Site name: CONOCO REFINERY BILLINGS Classification: Large Quantity Generator

Date form received by agency: 02/27/1996

Site name: CONOCO REFINERY
Classification: Large Quantity Generator

Date form received by agency: 01/09/1995

Site name: CONOCO REFINERY BILLINGS Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

Waste code: K048

. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

. Waste code: K051

Direction Distance

EDR ID Number Elevation **EPA ID Number** Site Database(s)

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY. Waste name:

K052 Waste code:

TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY. Waste name:

Waste code:

CARBON DISULFIDE Waste name:

U013 Waste code: Waste name: Not Defined

Waste code: U135

HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S Waste name:

Date form received by agency: 02/24/1994

CONOCO REFINERY Site name: Large Quantity Generator Classification:

Date form received by agency: 02/28/1992

CONOCO REFINERY Site name: Classification: Large Quantity Generator

Date form received by agency: 03/14/1990 Site name: CONOCO INC.

Classification: Large Quantity Generator

Date form received by agency: 11/19/1980

Site name: CONOCO REFINERY BILLINGS Classification: Not a generator, verified

Waste code: K048

Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING

INDUSTRY.

K051 Waste code:

API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY. Waste name:

Waste code:

TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY. Waste name:

U013 Waste code: Waste name: Not Defined

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001

IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF Waste name:

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 4587

Direction Distance

EDR ID Number Elevation **EPA ID Number** Site Database(s)

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

Waste code: D003

A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS Waste name:

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Amount (Lbs): 4206

Waste code: D006 Waste name: CADMIUM Amount (Lbs): 2709

Waste code: D007 **CHROMIUM** Waste name:

Amount (Lbs): 779

Waste code: D009 Waste name: **MERCURY** Amount (Lbs): 1600

Waste code: D010 Waste name: **SELENIUM** Amount (Lbs): 4206

Waste code: D018 BENZENE Waste name: Amount (Lbs): 20400

Waste code: D035

Waste name: METHYL ETHYL KETONE

Amount (Lbs): 5366

Waste code: D039

Waste name: **TETRACHLOROETHYLENE**

Amount (Lbs): 1680

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 4587

F005 Waste code:

THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL Waste name:

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Amount (Lbs): 4587

Waste code: F037

Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY

SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE,

BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS

SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS

LISTING.

Amount (Lbs): 610879

Waste code: K050

Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING

INDUSTRY

Amount (Lbs): 1560

Waste code: K170

Waste name: Clarified slurry oil storage tank sediment and/or in-line

filter/separation solids from petroleum refining operations.

Amount (Lbs): 230134

Waste code: K171

Waste name: Spent hydrotreating catalyst from petroleum refining operations,

including guard beds used to desulfurize feeds to other catalytic

reactors (excludes inert support media)

Amount (Lbs): 190273

Corrective Action Summary:

Event date: 09/30/1987

Event: RFA Completed, Assessment was an RFA.

Event date: 10/01/1990 Event: RFI Imposition

Event date: 01/08/1991

Event: RFI Workplan Received

Event date: 02/21/1991

Event: RFI Workplan Notice Of Deficiency Issued

Event date: 04/12/1991

Event: Stabilization Measures Implemented, Groundwater extraction and

treatment (e.g., to achieve groundwater containment, to achieve MCL).

Event date: 04/12/1991

Event: RFI Workplan Approved

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

Event date: 12/18/1991

Event: CA Prioritization, Facility or area was assigned a medium corrective

action priority.

Event date: 02/25/1992 Event: **RFI** Imposition

Event date: 02/25/1992

Event: RFI Supplemental Implementation Begun

04/21/1992 Event date:

Event: RFI Workplan Notice Of Deficiency Issued

Event date: 04/23/1992

Event: Stabilization Measures Evaluation, This facility is amenable to

stabilization activity based on the status of corrective action work

at the facility, technical factors, the degree of risk, timing

considerations and administrative considerations.

Event date: 09/30/1993

Event: Stabilization Measures Implemented

Event date:

Event: Stabilization Construction Completed

Event date: 06/05/1996

Event: **RFI** Report Received

Event date: 09/01/1997 Event: CA076ME

Event date: 09/01/1997

Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 09/01/1997 Event: CA077ME

Event date: 09/15/1997

Event: Igration of Contaminated Groundwater under Control, Unacceptable

migration of contaminated groundwater is observed or expected.

Event date:

Event: Current Human Exposures under Control, Current human exposures are NOT

under control.

Event date: 10/13/1997

Event: Current Human Exposures under Control, Yes, Current Human Exposures

> Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant

changes at the facility.

Event date: 10/13/1997 Event: **RFI** Approved Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Event date: 08/31/1999

Event: CMS Report Received

Event date: 01/31/2000

Event: RFI Report Received

Event date: 02/01/2001

Event: RFI Report Received

Event date: 03/30/2001

Event: CMS Workplan Received

Event date: 02/15/2002

Event: CMS Workplan Approved

Event date: 05/12/2002

Event: Date For Remedy Selection (CM Imposed)

Event date: 05/12/2002 Event: 05/12/2002 CMS Approved

Event date: 05/28/2003 Event: RFI Imposition

Event date: 09/12/2003

Event: RFI Workplan Received

Event date: 01/26/2004

Event: RFI Workplan Modification Requested By Agency

Event date: 02/27/2004

Event: RFI Workplan Received

Event date: 04/15/2004

Event: RFI Workplan Approved

Event date: 01/31/2005

Event: RFI Report Received

Event date: 03/09/2005

Event: CMI Workplan Approved

Event date: 03/09/2005

Event: CMI Workplan Approved

Event date: 03/10/2005 Event: CA550RC

Event date: 03/10/2005 Event: CA506

Event date: 03/10/2005 Event: CA506

Event date: 06/13/2005

Event: CMS Report Received

Direction Distance Elevation

ion Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Event date: 10/14/2005

Event: CMS Report Received

Event date: 12/19/2005

Event: Date For Public Notice On Proposed Remedy

Event date: 03/30/2006 Event: CMS Approved

Event date: 03/30/2006

Event: Date For Remedy Selection (CM Imposed)

Event date: 03/30/2006

Event: Corrective Measures Design Approved

Event date: 02/26/2007

Event: Stabilization Measures Implemented

Event date: 12/04/2007

Event: Stabilization Measures Implemented

Event date: 06/19/2008

Event: CMI Workplan Approved

Event date: 08/15/2008 Event: CA506

Event date: 10/02/2009 Event: CA550RC

Event date: 01/28/2010

Event: Stabilization Construction Completed

Event date: 09/18/2013

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of

Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of

significant changes at the facility.

Event date: Not reported Event: CA006OU

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Generators - Pre-transport

Date violation determined: 10/17/2014
Date achieved compliance: 10/17/2014
Violation lead agency: State

Enforcement action: BACK IN COMPLIANCE LTR

Enforcement action date: 12/29/2014
Enf. disposition status: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Enf. disp. status date: Not reported Enforcement lead agency: State
Proposed penalty amount: Not reported

Final penalty amount:
Paid penalty amount:
Not reported
Not reported
Not reported

Regulation violated: Not reported

Area of violation: Generators - Pre-transport

Date violation determined: 10/17/2014
Date achieved compliance: 10/17/2014
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/29/2014
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 11/19/2013
Date achieved compliance: 11/19/2013
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date:

Enf. disposition status:

Enf. disp. status date:

Enforcement lead agency:

Proposed penalty amount:

Final penalty amount:

Paid penalty amount:

Not reported

Not reported

Not reported

Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 11/19/2013
Date achieved compliance: 11/19/2013
Violation lead agency: State

Enforcement action: BACK IN COMPLIANCE LTR

Enforcement action date: 01/16/2014
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 11/19/2013
Date achieved compliance: 11/19/2013
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 11/19/2013
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - Pre-transport

Date violation determined: 12/18/2012
Date achieved compliance: 12/18/2012
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date:

Enf. disposition status:

Enf. disp. status date:

Enforcement lead agency:

Proposed penalty amount:

Final penalty amount:

Paid penalty amount:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 09/19/2011
Date achieved compliance: 09/27/2011

Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 09/27/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 09/19/2011
Date achieved compliance: 09/27/2011
Violation lead agency: State

Enforcement action: VIOLATION LETTER - INTENT TO SUBMIT TO DEQ ENF

Enforcement action date: 11/08/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - Pre-transport

Date violation determined: 12/10/2009
Date achieved compliance: 12/15/2009
Violation lead agency: State

Enforcement action: BACK IN COMPLIANCE LTR

Enforcement action date: 12/28/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - Pre-transport

Date violation determined: 12/10/2009
Date achieved compliance: 12/10/2009
Violation lead agency: State

Enforcement action: BACK IN COMPLIANCE LTR

Enforcement action date: 12/28/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - Records/Reporting

Date violation determined: 06/25/2008
Date achieved compliance: 06/25/2008
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 06/25/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Generators - Records/Reporting

Date violation determined: 06/25/2008
Date achieved compliance: 06/25/2008
Violation lead agency: State

Enforcement action: BACK IN COMPLIANCE LTR

Enforcement action date: 07/11/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: State Statute or Regulation

Date violation determined: 01/10/2007
Date achieved compliance: 02/26/2007
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 01/31/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: State Statute or Regulation

Date violation determined: 01/10/2007
Date achieved compliance: 02/26/2007
Violation lead agency: State

Enforcement action: BACK IN COMPLIANCE LTR

Enforcement action date: 03/28/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: State Statute or Regulation

Date violation determined: 01/10/2007
Date achieved compliance: 02/26/2007
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 02/26/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Permit Condition or Requirement

Date violation determined: 01/09/2007
Date achieved compliance: 03/13/2007
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 01/31/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Permit Condition or Requirement

Date violation determined: 01/09/2007
Date achieved compliance: 03/13/2007
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 03/13/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: Permit Condition or Requirement

Date violation determined: 01/09/2007
Date achieved compliance: 03/13/2007
Violation lead agency: State

Enforcement action: BACK IN COMPLIANCE LTR

Enforcement action date: 03/28/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - Permit Condition IV.6.2.b Area of violation: TSD - Closure/Post-Closure

Date violation determined: 01/24/2006
Date achieved compliance: 03/31/2006
Violation lead agency: State

Enforcement action: BACK IN COMPLIANCE LTR

Enforcement action date: 03/31/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - Permit Condition IV.6.2.b Area of violation: TSD - Closure/Post-Closure

Date violation determined: 01/24/2006
Date achieved compliance: 03/31/2006
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED Enforcement action date: 03/21/2006

Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State
Proposed penalty amount: Not reported Paid penalty amount: Not reported Not reported

Regulation violated: PC - Permit Condition IV.6.2.b
Area of violation: TSD - Closure/Post-Closure

Date violation determined: 01/24/2006
Date achieved compliance: 03/31/2006
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 02/24/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Regulation violated: SR - 40 CFR 262.34
Area of violation: Generators - Pre-transport

Date violation determined: 09/29/2005 Date achieved compliance: 09/29/2005 Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 11/02/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 40 CFR 279.22 Area of violation: Used Oil - Generators

Date violation determined: 09/02/2004
Date achieved compliance: 09/02/2004
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date:

Enf. disposition status:

Enf. disp. status date:

Enforcement lead agency:

Proposed penalty amount:

Final penalty amount:

Paid penalty amount:

Not reported

Not reported

Not reported

Not reported

Not reported

Regulation violated: SR - 40 CFR 262.11
Area of violation: Generators - Pre-transport

Date violation determined: 09/02/2004
Date achieved compliance: 01/21/2005
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date:

Enf. disposition status:

Enf. disp. status date:

Enforcement lead agency:

Proposed penalty amount:

Final penalty amount:

Paid penalty amount:

Enforcement lead agency:

State

Not reported

Not reported

Not reported

Not reported

Regulation violated: SR - 40 CFR 262.11
Area of violation: Generators - Pre-transport

Date violation determined: 09/02/2004
Date achieved compliance: 01/21/2005
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 01/21/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 40 CFR 279.22

Distance Elevation

ation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Area of violation: Used Oil - Generators

Date violation determined: 09/02/2004
Date achieved compliance: 09/02/2004
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date:

Enf. disposition status:

Enf. disp. status date:

Enforcement lead agency:

Proposed penalty amount:

Final penalty amount:

Paid penalty amount:

Not reported

Not reported

Not reported

Not reported

Not reported

Regulation violated: SR - 40 CFR 262.11
Area of violation: Generators - Pre-transport

Date violation determined: 09/02/2004
Date achieved compliance: 01/21/2005
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 12/15/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 40 CFR 262.11
Area of violation: Generators - Pre-transport

Date violation determined: 09/02/2004
Date achieved compliance: 01/21/2005
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/03/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Not reported

Regulation violated: PC - 40 CFR 264.134(f)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 05/19/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.145(f)
Area of violation: TSD - Financial Requirements

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 05/28/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.147(g)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003 Date achieved compliance: 05/28/2003 Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 05/19/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.147(g)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/29/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.145(f)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/29/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.147(g)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Date achieved compliance: 05/28/2003 Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 05/28/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.134(f)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/29/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.145(f)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003
Date achieved compliance: 05/28/2003
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 05/19/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: PC - 40 CFR 264.134(f)
Area of violation: TSD - Financial Requirements

Date violation determined: 04/29/2003 Date achieved compliance: 05/28/2003 Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 05/28/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 40 CFR 265.310(b)(l)

Area of violation: TSD - Surface Impoundment Standards

Date violation determined: 09/06/2001 Date achieved compliance: 12/24/2001

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 03/01/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 40 CFR 265.310(b)(l)

Area of violation: TSD - Surface Impoundment Standards

Date violation determined: 09/06/2001
Date achieved compliance: 12/24/2001
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 10/16/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - 40 CFR 265.310(b)(l)

Area of violation: TSD - Surface Impoundment Standards

Date violation determined: 09/06/2001
Date achieved compliance: 12/24/2001
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/09/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.105(2)
Area of violation: Generators - General

Date violation determined: 12/01/1999
Date achieved compliance: 01/05/2000
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 12/23/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Not reported

Regulation violated: SR - ARM 17.54.421
Area of violation: Generators - Pre-transport

Date violation determined: 12/01/1999
Date achieved compliance: 01/05/2000
Violation lead agency: State

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/13/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.105(2)
Area of violation: Generators - General

Date violation determined: 12/01/1999
Date achieved compliance: 01/05/2000
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/13/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Froposed penalty amount: Not reported Not reported Not reported Not reported Not reported Not reported Not reported

Regulation violated: SR - ARM 17.54.421
Area of violation: Generators - Pre-transport

Date violation determined: 12/01/1999
Date achieved compliance: 01/05/2000
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 01/05/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.421
Area of violation: Generators - Pre-transport

Date violation determined: 12/01/1999
Date achieved compliance: 01/05/2000
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 01/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.421
Area of violation: Generators - Pre-transport

Date violation determined: 12/01/1999
Date achieved compliance: 01/05/2000
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Enforcement action date: 12/23/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.105(2)
Area of violation: Generators - General

Date violation determined: 12/01/1999
Date achieved compliance: 01/05/2000
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 01/05/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.105(2)
Area of violation: Generators - General

Date violation determined: 12/01/1999
Date achieved compliance: 01/05/2000
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 01/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.421(4)(d)
Area of violation: Generators - Pre-transport

Date violation determined: 11/17/1999
Date achieved compliance: 01/24/2000
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.421(4)(d)
Area of violation: Generators - Pre-transport

Date violation determined: 11/17/1999
Date achieved compliance: 01/24/2000
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 01/19/2000

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.421(4)(b) Generators - Pre-transport Area of violation:

Date violation determined: 09/17/1998 Date achieved compliance: 11/12/1998 Violation lead agency: State

DOCUMENT RECEIVED Enforcement action:

Enforcement action date: 11/09/1998 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.421(4)(b) Generators - Pre-transport Area of violation:

Date violation determined: 09/17/1998 Date achieved compliance: 11/12/1998 State Violation lead agency:

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/09/1998 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.609 TSD - Closure/Post-Closure Area of violation:

Date violation determined: 11/04/1997 Date achieved compliance: 12/24/1997 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

12/04/1997 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.609 Area of violation: TSD - Closure/Post-Closure

Date violation determined: 11/04/1997 Date achieved compliance: 12/24/1997 Violation lead agency: State

DOCUMENT RECEIVED Enforcement action:

12/24/1997 Enforcement action date: Enf. disposition status: Not reported

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Enf. disp. status date: Not reported Enforcement lead agency: State
Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 17.54.309(5)(d)
Area of violation: Generators - Pre-transport

Date violation determined: 11/04/1997
Date achieved compliance: 11/04/1997
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 11/04/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM17.54.421(1)(e)
Area of violation: Generators - Records/Reporting

Date violation determined: 11/26/1996
Date achieved compliance: 01/08/1997
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 01/02/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM17.54.421(1)(e)
Area of violation: Generators - Records/Reporting

Date violation determined: 11/26/1996
Date achieved compliance: 01/08/1997
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/26/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM17.54.421
Area of violation: Generators - General

Date violation determined: 12/01/1995
Date achieved compliance: 02/06/1996
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/01/1995 Enf. disposition status: Not reported Enf. disp. status date: Not reported Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM17.54.421 Area of violation: Generators - General

Date violation determined: 12/01/1995
Date achieved compliance: 02/06/1996
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date:

Enf. disposition status:

Enf. disp. status date:

Enforcement lead agency:

Proposed penalty amount:

Final penalty amount:

Paid penalty amount:

O1/08/1996

Not reported

Not reported

Not reported

Not reported

Not reported

Regulation violated: SR - ARM 16.44.817

Area of violation: TSD - Financial Requirements

Date violation determined: 04/28/1995
Date achieved compliance: 06/13/1995
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action:

Enforcement action:

Enforcement action:

Enforcement action:

Enforcement action:

Enforcement action:

O6/13/1995

Not reported

Regulation violated: SR - ARM 16.44.805

Area of violation: TSD - Financial Requirements

Not reported

Date violation determined: 04/28/1995
Date achieved compliance: 06/13/1995
Violation lead agency: State

Paid penalty amount:

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 06/13/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Not reported

Regulation violated: SR - ARM 16.44.415 Area of violation: Generators - General

Date violation determined: 12/14/1994 Date achieved compliance: 01/05/1995 Violation lead agency: State Enforcement action: Not reported Enforcement action date: Not reported Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: Not reported

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SS - ARM 16.44.811

Area of violation: TSD - Financial Requirements

Date violation determined: 04/21/1993
Date achieved compliance: 05/21/1993
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 05/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SS - ARM 16.44.811

Area of violation: TSD - Financial Requirements

Date violation determined: 04/21/1993
Date achieved compliance: 05/21/1993
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM 16.44.415

Area of violation: Generators - Records/Reporting

Date violation determined: 12/07/1992
Date achieved compliance: 01/07/1993
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 01/06/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM 16.44.415

Area of violation: Generators - Records/Reporting

Date violation determined: 12/07/1992
Date achieved compliance: 01/07/1993
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/07/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - ARM 16.44.811

Area of violation: TSD - Financial Requirements

Date violation determined: 05/28/1992
Date achieved compliance: 08/11/1992
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 08/11/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM 16.44.811

Area of violation: TSD - Financial Requirements

Date violation determined: 05/28/1992
Date achieved compliance: 08/11/1992
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 06/01/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - ARM 16.44.811

Area of violation: TSD - Financial Requirements

Date violation determined: 05/28/1992
Date achieved compliance: 08/11/1992
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 05/28/1992
Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State
Proposed penalty amount: Not reported Paid penalty amount: Not reported Not reported

Regulation violated: SR - 16.44.415
Area of violation: Generators - General

Date violation determined: 09/25/1991
Date achieved compliance: 11/08/1991
Violation lead agency: State

Enforcement action: DOCUMENT RECEIVED

Enforcement action date: 10/29/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

MAP FINDINGS Map ID Direction

Elevation

Distance

Site Database(s) **EPA ID Number**

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Paid penalty amount: Not reported

Regulation violated: SR - 16.44.415 Area of violation: Generators - General

Date violation determined: 09/25/1991 Date achieved compliance: 11/08/1991 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

10/01/1991 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported

TSD - Closure/Post-Closure Area of violation:

Date violation determined: 09/05/1990 Date achieved compliance: 10/06/1990 Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

09/05/1990 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: Not reported Area of violation: TSD - General Date violation determined: 07/10/1990 Date achieved compliance: 09/27/1990 Violation lead agency: State

WRITTEN INFORMAL Enforcement action: 07/30/1990 Enforcement action date:

Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Not reported Regulation violated:

Area of violation: TSD - Financial Requirements

Date violation determined: 05/13/1988 Date achieved compliance: 06/25/1988 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 05/16/1988 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Direction Distance Elevation

ation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 07/31/1986
Date achieved compliance: 09/29/1986
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/05/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD - Financial Requirements

Date violation determined: 04/15/1986
Date achieved compliance: 05/29/1986
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/17/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/08/1985
Date achieved compliance: 11/25/1985
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/17/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated:
Area of violation:
Date violation determined:
Date achieved compliance:
Violation lead agency:

Not reported
TSD - General
04/03/1985
04/11/1985
State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/03/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Area of violation: TSD - Financial Requirements

Date violation determined: 10/02/1984
Date achieved compliance: 04/02/1985
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date:
Enf. disposition status:
Enf. disp. status date:
Enforcement lead agency:
Proposed penalty amount:
Final penalty amount:
Paid penalty amount:

Enforcement lead agency:
Not reported
Not reported
Not reported
Not reported

Regulation violated: Not reported

Area of violation: TSD - Closure/Post-Closure

Date violation determined: 07/26/1984
Date achieved compliance: 07/21/1986
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/31/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: TSD IS-Ground-Water Monitoring

Date violation determined: 10/05/1983
Date achieved compliance: 07/21/1986
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/14/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/26/2015

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:
Evaluation lead agency:

Not reported
State

Evaluation date: 10/17/2014

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 10/17/2014 Evaluation lead agency: State

Evaluation date: 07/09/2014

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 02/24/2014

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 02/24/2014

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 11/13/2013

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Used Oil - Generators

Date achieved compliance: 11/19/2013 Evaluation lead agency: State

Evaluation date: 04/30/2013

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/04/2013

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/04/2013

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 12/18/2012

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 12/18/2012 Evaluation lead agency: State

Evaluation date: 10/24/2012

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/22/2012

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Evaluation date: 02/29/2012

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 02/29/2012

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 09/19/2011

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Used Oil - Generators

Date achieved compliance: 09/27/2011 Evaluation lead agency: State

Evaluation date: 04/11/2011

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/01/2011

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/01/2011

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 09/28/2010

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 09/28/2010

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/07/2010

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/11/2010

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 03/11/2010

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 03/10/2010

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 12/09/2009

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 12/15/2009 Evaluation lead agency: State

Evaluation date: 12/09/2009

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 12/10/2009 Evaluation lead agency: State

Evaluation date: 05/06/2009

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

EPA

Evaluation date: 04/03/2009

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/06/2009

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 03/05/2009

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/05/2009

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Evaluation date: 09/08/2008

Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 07/15/2008

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 06/25/2008

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Records/Reporting

Date achieved compliance: 06/25/2008 Evaluation lead agency: State

Evaluation date: 05/22/2008

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/29/2008

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/05/2008

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 07/25/2007

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 04/06/2007

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 04/04/2007

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 03/06/2007

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 01/09/2007

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: State Statute or Regulation

Date achieved compliance: 02/26/2007 Evaluation lead agency: State

Evaluation date: 01/09/2007

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Permit Condition or Requirement

Date achieved compliance: 03/13/2007 Evaluation lead agency: State

Evaluation date: 06/05/2006

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 03/31/2006

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 02/08/2006

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 01/24/2006

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Closure/Post-Closure

Date achieved compliance: 03/31/2006 Evaluation lead agency: State

Evaluation date: 11/17/2005

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 09/29/2005

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 09/29/2005 Evaluation lead agency: State

Evaluation date: 08/23/2005

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Evaluation date: 03/21/2005

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 10/01/2004

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 09/02/2004

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 01/21/2005 Evaluation lead agency: State

Evaluation date: 09/02/2004

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Used Oil - Generators

Date achieved compliance: 09/02/2004 Evaluation lead agency: State

Evaluation date: 05/10/2004

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/09/2004

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/09/2004

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 09/23/2003

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 08/14/2003

Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/29/2003

Evaluation: FINANCIAL RECORD REVIEW Area of violation: TSD - Financial Requirements

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Date achieved compliance: 05/28/2003 Evaluation lead agency: State

Evaluation date: 03/05/2003

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 03/03/2003

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 10/08/2002

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 06/04/2002

Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 05/13/2002

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 04/10/2002

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 04/10/2002

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 04/03/2002

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

EPA

Evaluation date: 09/06/2001

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Surface Impoundment Standards

Date achieved compliance: 12/24/2001 Evaluation lead agency: State

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Evaluation date: 07/31/2001

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 03/02/2001

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 12/14/2000

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 11/15/2000

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 12/01/1999

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Generators - General

Date achieved compliance: 01/05/2000 Evaluation lead agency: State

Evaluation date: 12/01/1999

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Generators - Pre-transport

Date achieved compliance: 01/05/2000 Evaluation lead agency: State

Evaluation date: 11/17/1999

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 01/24/2000 Evaluation lead agency: State

Evaluation date: 09/17/1998

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 11/12/1998 Evaluation lead agency: State

Evaluation date: 11/04/1997

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 11/04/1997 Evaluation lead agency: State

Evaluation date: 11/04/1997

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Closure/Post-Closure

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Date achieved compliance: 12/24/1997 Evaluation lead agency: State

Evaluation date: 06/09/1997

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 10/23/1996

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Records/Reporting

Date achieved compliance: 01/08/1997 Evaluation lead agency: State

Evaluation date: 04/26/1996

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 11/14/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 02/06/1996 Evaluation lead agency: State

Evaluation date: 09/13/1995

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 05/30/1995

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/08/1995

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 04/28/1995

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

Date achieved compliance: 06/13/1995 Evaluation lead agency: State

Evaluation date: 04/18/1995

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

Date achieved compliance: 06/13/1995 Evaluation lead agency: State

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Evaluation date: 11/17/1994

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 01/05/1995 Evaluation lead agency: State

Evaluation date: 10/19/1993

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 04/21/1993

Evaluation: FINANCIAL RECORD REVIEW Area of violation: TSD - Financial Requirements

Date achieved compliance: 05/21/1993 Evaluation lead agency: State

Evaluation date: 03/18/1993

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 11/06/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Records/Reporting

Date achieved compliance: 01/07/1993 Evaluation lead agency: State

Evaluation date: 09/15/1992

Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

EPA

Evaluation date: 05/28/1992

Evaluation: FINANCIAL RECORD REVIEW Area of violation: TSD - Financial Requirements

Date achieved compliance: 08/11/1992 Evaluation lead agency: State

Evaluation date: 09/12/1991

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 11/08/1991 Evaluation lead agency: State

Evaluation date: 04/12/1991

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 12/03/1990

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 09/05/1990

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: TSD - Closure/Post-Closure

Date achieved compliance: 10/06/1990 Evaluation lead agency: State

Evaluation date: 07/10/1990

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 09/27/1990 Evaluation lead agency: State

Evaluation date: 01/10/1990

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 10/30/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 06/07/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 04/28/1989

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 09/19/1988

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 06/24/1988

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 05/13/1988

Evaluation: FINANCIAL RECORD REVIEW Area of violation: TSD - Financial Requirements

Date achieved compliance: 06/25/1988
Evaluation lead agency: State

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Evaluation date: 03/29/1988

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 03/29/1988

Evaluation: OPERATION AND MAINTENANCE INSPECTION

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 03/22/1988

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 07/09/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Not reported

Not reported

Evaluation lead agency: EPA

Evaluation date: 07/09/1987

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

EPA

Evaluation date: 07/09/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 04/15/1987

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 02/11/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

EPA

Evaluation date: 10/22/1986

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 10/20/1986

Evaluation: GROUNDWATER MONITORING EVALUATION

Area of violation: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 10/20/1986

Evaluation: GROUNDWATER MONITORING EVALUATION

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 07/31/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 09/29/1986 Evaluation lead agency: State

Evaluation date: 04/15/1986

Evaluation: FINANCIAL RECORD REVIEW Area of violation: TSD - Financial Requirements

Date achieved compliance: 05/29/1986 Evaluation lead agency: State

Evaluation date: 03/27/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA

Evaluation date: 12/18/1985

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 08/08/1985

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: TSD - General Date achieved compliance: 11/25/1985 Evaluation lead agency: State

Evaluation date: 07/30/1985

Evaluation: GROUNDWATER MONITORING EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 07/30/1985

Evaluation: GROUNDWATER MONITORING EVALUATION

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 04/03/1985

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 04/11/1985 Evaluation lead agency: State

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Evaluation date: 02/20/1985

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Not reported

Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 10/28/1984

Evaluation: FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 10/02/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Financial Requirements

Date achieved compliance: 04/02/1985 Evaluation lead agency: State

Evaluation date: 10/02/1984

Evaluation: FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 08/29/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 07/26/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Closure/Post-Closure

Date achieved compliance: 07/21/1986 Evaluation lead agency: State

Evaluation date: 05/08/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 02/02/1984

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 10/05/1983

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD IS-Ground-Water Monitoring

Date achieved compliance: 07/21/1986 Evaluation lead agency: State

CERC-NFRAP:

Site ID: 0800375

Federal Facility: Not a Federal Facility NPL Status: Not on the NPL

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13162168.00000 13002699.00000 Person ID:

CERCLIS-NFRAP Site Alias Name(s):

CONOCO PIPELINE CO GLACIER Alias Name:

Alias Address: 401 S 23RD ST SITE B

BILLINGS, MT 59103

CERCLIS-NFRAP Assessment History:

DISCOVERY Action:

Date Started: //

Date Completed: 08/01/80 Priority Level: Not reported

Action: ARCHIVE SITE

Date Started: Date Completed: 12/24/87 Priority Level: Not reported

PRELIMINARY ASSESSMENT Action:

Date Started:

Date Completed: 12/24/87

Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

CORRACTS:

EPA ID: MTD006229405

EPA Region:

Area Name: SOUTH 40 DNAPL AREA

20010201 Actual Date:

Action: CA190 - RFI Report Received

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20010201 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region:

ENTIRE FACILITY Area Name:

Actual Date: 19901001

CA100 - RFI Imposition Action:

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 80

Area Name: **ENTIRE FACILITY**

Actual Date: 19941001

Action: CA650 - Stabilization Construction Completed

NAICS Code(s): 32411

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region:

Area Name: **ENTIRE FACILITY**

Actual Date: 19970901

CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary Action:

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region:

Area Name: **ENTIRE FACILITY** 19970901 Actual Date: Action: CA076ME NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405 EPA Region: 08

Area Name: **ENTIRE FACILITY** Actual Date: 19970901 Action: CA077ME

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

MTD006229405 EPA ID:

EPA Region: 80 Area Name: SOSP Actual Date: 20091002 CA550RC Action: NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 80

Area Name: **BUTANE RELEASE AREA**

Actual Date: 20071204

Action: CA600 - Stabilization Measures Implemented

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region:

Area Name: **ENTIRE FACILITY**

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

Actual Date: 19960605

Action: CA190 - RFI Report Received

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19910108

Action: CA110 - RFI Workplan Received

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: AREA 3 LANDFARM

Actual Date: 20050309

Action: CA500 - CMI Workplan Approved

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20050309 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 20050309

Action: CA500 - CMI Workplan Approved

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20050309 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: AREA 3 LANDFARM

 Actual Date:
 20050310

 Action:
 CA550RC

 NAICS Code(s):
 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

 Actual Date:
 20050310

 Action:
 CA506

 NAICS Code(s):
 32411

Petroleum Refineries

Original schedule date: 20050310 Schedule end date: Not reported **EDR ID Number**

1000331305

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

EPA ID: MTD006229405

EPA Region: 08

Area Name: AREA 3 LANDFARM

Actual Date: 20050310 Action: CA506 NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20050310 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19910412

Action: CA600GW - Stabilization Measures Implemented, Groundwater extraction

and treatment

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 0

Area Name: ENTIRE FACILITY

Actual Date: 19910412

Action: CA150 - RFI Workplan Approved

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 20020512

Action: CA400 - Date For Remedy Selection (CM Imposed)

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20020512 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 20020512

Action: CA350 - CMS Approved

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20020512 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: NORTHWEST AREA 3 LANDFARM AREA

Actual Date: 20030912

Action: CA110 - RFI Workplan Received

NAICS Code(s): 32411

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: SOUTH 40 DNAPL AREA

Actual Date: 20050613

Action: CA340 - CMS Report Received

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20050613 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19971013

Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human

Exposures Under Control has been verified

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19971013

Action: CA200 - RFI Approved

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08
Area Name: SOSP
Actual Date: 20051014

Action: CA340 - CMS Report Received

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20051014 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: NORTHWEST AREA 3 LANDFARM AREA

Actual Date: 20040415

Action: CA150 - RFI Workplan Approved

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

 Area Name:
 SOSP

 Actual Date:
 20080815

 Action:
 CA506

 NAICS Code(s):
 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: SOUTH 40 DNAPL AREA

Actual Date: 20020215

Action: CA300 - CMS Workplan Approved

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20020215 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19970915

Action: CA750NO - Migration of Contaminated Groundwater under Control.

Unacceptable migration of contaminated groundwater is observed or

expected

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19970915

Action: CA725NO - Current Human Exposures Under Control, Current human

exposures are NOT under control

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19911218

Action: CA075ME - CA Prioritization, Facility or area was assigned a medium

corrective action priority

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 20130918

Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Migration of Contaminated Groundwater Under Control has been verified

NAICS Code(s): 32411

Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08
Area Name: SOSP
Actual Date: 20051219

Action: CA380 - Date For Public Notice On Proposed Remedy

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08
Area Name: SOSP
Actual Date: 20080619

Action: CA500 - CMI Workplan Approved

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19920421

Action: CA140 - RFI Workplan Notice Of Deficiency Issued

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19910221

Action: CA140 - RFI Workplan Notice Of Deficiency Issued

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19920423

Action: CA225YE - Stabilization Measures Evaluation, This facility ,is

amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk,

timing considerations and administrative considerations

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19920225

Action: CA100 - RFI Imposition

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19920225

Action: CA180 - RFI Supplemental Implementation Begun

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: CRUDE OIL RELEASE GLACIER PIPE LINE AREA

Actual Date: 20070226

Action: CA600 - Stabilization Measures Implemented

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: NORTHWEST AREA 3 LANDFARM AREA

Actual Date: 20040126

Action: CA120 - RFI Workplan Modification Requested By Agency

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: NORTHWEST AREA 3 LANDFARM AREA

Actual Date: 20040227

Action: CA110 - RFI Workplan Received

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: BUTANE RELEASE AREA

Actual Date: 20100128

Action: CA650 - Stabilization Construction Completed

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: NORTHWEST AREA 3 LANDFARM AREA

Actual Date: 20030528

Action: CA100 - RFI Imposition

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: SOUTH 40 DNAPL AREA

Actual Date: 20010330

Action: CA260 - CMS Workplan Received

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20010330 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08
Area Name: SOSP
Actual Date: 20060330

Action: CA400 - Date For Remedy Selection (CM Imposed)

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08
Area Name: SOSP
Actual Date: 20060330

Action: CA350 - CMS Approved

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20060330 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08
Area Name: SOSP
Actual Date: 20060330

Action: CA450 - Corrective Measures Design Approved

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

Area Name: ENTIRE FACILITY

Actual Date: 19870930

Action: CA050RF - RFA Completed, Assessment was an RFA

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19930930

Action: CA600 - Stabilization Measures Implemented

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 19931001 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY

Actual Date: 19990831

Action: CA340 - CMS Report Received

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 19990831 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: SOUTH 40 DNAPL AREA

Actual Date: 20000131

Action: CA190 - RFI Report Received

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: 20000131 Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: NORTHWEST AREA 3 LANDFARM AREA

Actual Date: 20050131

Action: CA190 - RFI Report Received

NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MTD006229405

EPA Region: 08

Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA006OU
NAICS Code(s): 32411

Petroleum Refineries

Original schedule date: Not reported Schedule end date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

EDR ID Number

TRIS:

Click this hyperlink while viewing on your computer to access 29 additional US_TRIS: record(s) in the EDR Site Report.

US FIN ASSUR:

EPA ID: MTD006229405
Provider: CONOCOPHILLIPS

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

 Mechanism ID:
 2010 MARCH FT

 Cost estimate:
 545864.53

 Face value:
 103578146.87

 Effective date:
 3/22/2010

EPA ID: MTD006229405
Provider: CONOCOPHILLIPS

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

 Mechanism ID:
 2010 MARCH FT

 Cost estimate:
 8271968.26

 Face value:
 103578146.87

 Effective date:
 3/22/2010

EPA ID: MTD006229405
Provider: CONOCOPHILLIPS

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

 Mechanism ID:
 2010 MARCH FT

 Cost estimate:
 10000000

 Face value:
 103578146.87

 Effective date:
 3/22/2010

EPA ID: MTD006229405
Provider: CONOCOPHILLIPS

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2011 MARCH FT Cost estimate: 551039.32

Face value: 98899726.849999994

Effective date: 3/21/2011

EPA ID: MTD006229405
Provider: CONOCOPHILLIPS

EPA region:

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2011 MARCH FT Cost estimate: 8350386.52

Face value: 98899726.849999994

Effective date: 3/21/2011

EPA ID: MTD006229405

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

Provider: CONOCOPHILLIPS

EPA region:

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2011 MARCH FT Cost estimate: 10000000

98899726.849999994 Face value:

Effective date: 3/21/2011

EPA ID: MTD006229405 **CONOCOPHILLIPS** Provider:

EPA region:

YELLOWSTONE County:

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2012 MARCH FT Cost estimate: 562633.19

Face value: 91404021.870000005

Effective date: 3/21/2012

EPA ID: MTD006229405 CONOCOPHILLIPS Provider:

EPA region: 8

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2012 MARCH FT Cost estimate: 8526078.65

Face value: 91404021.870000005

Effective date: 3/21/2012

EPA ID: MTD006229405 CONOCOPHILLIPS Provider:

EPA region:

County: YELLOWSTONE

Mechanism type: CORPORATE GUARANTEE

2012 MARCH FT Mechanism ID:

10000000 Cost estimate:

Face value: 91404021.870000005

Effective date: 3/21/2012

EPA ID: MTD006229405 PHILLIPS 66 Provider:

EPA region:

County: YELLOWSTONE

CORPORATE GUARANTEE Mechanism type:

Mechanism ID: 2012 MARCH FT Cost estimate: 562633.19

Face value: 89661345.480000004

Effective date: 10/17/2012

EPA ID: MTD006229405 Provider: PHILLIPS 66

EPA region:

YELLOWSTONE County:

Mechanism type: **CORPORATE GUARANTEE**

Mechanism ID: 2012 MARCH FT Cost estimate: 8526078.65

Face value: 89661345.480000004

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

Effective date: 10/17/2012

EPA ID: MTD006229405 Provider: PHILLIPS 66

EPA region:

YELLOWSTONE County:

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2012 MARCH FT Cost estimate: 10000000

Face value: 89661345.480000004

Effective date: 10/17/2012

EPA ID: MTD006229405 Provider: PHILLIPS 66

EPA region:

YELLOWSTONE County:

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2013 MARCH FT

Cost estimate:

93942329.489999995 Face value:

Effective date: 3/21/2013

EPA ID: MTD006229405 Provider: PHILLIPS 66

EPA region:

YELLOWSTONE County:

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2013 MARCH FT Cost estimate: 9249127.61

Face value: 93942329.489999995

Effective date: 3/21/2013

EPA ID: MTD006229405 Provider: PHILLIPS 66

EPA region: 8

YELLOWSTONE County:

Mechanism type: CORPORATE GUARANTEE

Mechanism ID: 2013 MARCH FT

Cost estimate: 10000000

93942329.489999995 Face value:

Effective date: 3/21/2013

EPA ID: MTD006229405 Provider: PHILLIPS 66

EPA region:

YELLOWSTONE County:

Mechanism type: **CORPORATE GUARANTEE**

Mechanism ID: 2014 TEST Cost estimate: 8806105.04

Face value: 94423372.439999998

Effective date: 4/1/2014

EPA ID: MTD006229405 Provider: PHILLIPS 66

EPA region:

YELLOWSTONE County:

Mechanism type: **CORPORATE GUARANTEE**

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

PHILLIPS 66 COMPANY BILLINGS REFINERY (Continued)

1000331305

Mechanism ID: 2014 TEST Cost estimate: 10000000

Face value: 94423372.439999998

Effective date: 4/1/2014

2020 COR ACTION:

EPA ID: MTD006229405

Region: 8

Action: Not reported

MT Financial Assurance:

EPA ID Number: MTD006229405
Type of Mechanism: Corporate Guarantee
Name of Issuer: PHILLIPS 66
Amount of Coverage: 94423372.44

Coverage: Sudden & Non-Sudden Third Party Liability

EPA ID Number: MTD006229405
Type of Mechanism: Corporate Guarantee

Name of Issuer: PHILLIPS 66
Amount of Coverage: 94423372.44
Coverage: Corrective Action

Y111 DEERING COMMUNITY HEALTH CENTER
SSW 123 SOUTH 27TH STREET

WQA S111099126

REM RPROGRAM N/A

1/4-1/2 BILLINGS, MT

0.439 mi.

2318 ft. Site 2 of 3 in cluster Y

Relative: MT WQA:

Higher Site: DCHB
Alternate Name: Not reported

Actual: Latitude: 45.77949999999999

3124 ft. Longitude: -108.5013

Program: WQA

REM RPROGRAM:

Site ID: DCHB

Lat/Long: 45.779499 / -108.5013

Program: WQA
Alias Names: Not reported
Operation: Not reported
Location: 123 South 27th Street

Township: 1S

Range: 26E P Section: 3

LL Coment: Location verified 5/5/15 by S. Trahan using DEQ data mapping tool

Delisted Date:
Petition Date:
Agreement Date:
Not reported
Not reported
Not reported
Laura Alvey
Phone Work:
EMail:
Retrieve Date Site Summary:

Not reported
Not reported
Name:
Laura Alvey
(406) 841-5062
Ialvey@mt.gov

Retrieve Date Site Summary: 05/31/2015 Site Summary: Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DEERING COMMUNITY HEALTH CENTER (Continued)

S111099126

Detail As Of March 2013:

Start Date: 06/15/1993 End Date: Not reported Report Date: Not reported

Description: Notice Letter - Historic hydrocarbon contamination - Entire Site Purpose: Cleanup letter sent 11-18-93. Follow-up inspection and sampling

Program:

WQA Program: Program Date: 06/15/1993 06/15/1993 Listed Date: **DeListed Date:** Not reported State Rank: Low priority Referred: Not reported

Y112 **DEERING HEALTH CLINIC LUST TRUST #4682** LUST S108910784

N/A

SSW 123 S 27TH ST 1/4-1/2 **BILLINGS, MT**

0.439 mi.

Actual:

3124 ft.

2318 ft. Site 3 of 3 in cluster Y

LUST: Relative:

Facility ID: 9995069 Higher

Federally Regulated: Yes Release ID: 4682

05/20/1993 Date of Release: Fund Eligible: Not reported

Active Site: Yes

Transfer Agency Lead: Not reported Transfer Date: Not reported EPA Lead: Not reported Date Resolved: Not reported Latitude: 45.78013 Longitude: -108.50175

Lat/Long Method: Map Interpolation High Quality

Detail as of 06/16/2014:

5.0 - Pending Closure Priority: DEQ Project Manager: Shearer, Jay (22136)

AA113 MONTGOMERY WARD BILLINGS

LUST 320 S 24TH ST **UST**

1/4-1/2 **BILLINGS, MT**

0.442 mi.

SSE

2335 ft. Site 2 of 2 in cluster AA

Relative:

5607126 Lower Facility ID:

Federally Regulated: Yes Actual: Release ID: 4875

3118 ft. Date of Release: 10/20/2011 Fund Eligible: Not reported

> **Active Site:** No

Transfer Agency Lead: Not reported U003364145

N/A

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

MONTGOMERY WARD BILLINGS (Continued)

U003364145

Transfer Date:

EPA Lead:

Date Resolved:

Latitude:

Longitude:

Not reported

07/08/2013

45.773752

-108.576394

Lat/Long Method: Address Match, Exact Z4 USPS

Detail as of 06/16/2014:

Priority: 5.0 - Pending Closure

DEQ Project Manager: Stremcha, Marla (17451)

UST:

Facility ID: 5607126
Active Tanks: Not reported

Inactive Tanks: 4
Open/Closed?: CLOSE

._____

AC114 209 SOUTH 26TH ST US BROWNFIELDS 1010363768
South 209 SOUTH 26TH ST N/A

South 209 SOUTH 26TH ST 1/4-1/2 BILLINGS, MT 59101

0.446 mi.

2356 ft. Site 1 of 3 in cluster AC

Relative: US BROWNFIELDS: Recipient name:

Recipient name: Beartooth Resource Conservation and Development Area, Inc.

Grant type: Assessment

Actual: Property name: 209 SOUTH 26TH ST

3123 ft. Property #: Block 162, Lot 17 & N 20 ft of Lot 18

Parcel size: .14
Property Description: residence
Latitude: 45.779582
Longitude: -108.499053

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station

Datum: Not reported ACRES property ID: 15816 Start date: Not reported Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 2170

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:
Not reported
Not reported
Not reported
Not reported
Not reported

Grant type: N/A

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 98885001 Ownership entity: Not reported

Current owner: Samuel and Diane W. Rankin

Did owner change: Not reported Cleanup required: Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

209 SOUTH 26TH ST (Continued)

1010363768

EDR ID Number

Video available: Not reported Not reported Photo available: Not reported Institutional controls required: IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported Not reported IC in place date: IC in place: Unknown State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Not reported Controled substance found: Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Other cleaned up: Not reported Other metals found: Not reported Other metals cleaned: Not reported Not reported Other contaminants found: Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Not reported Past use industrial acreage: Future use greenspace acreage: Not reported Future use residential acreage: Not reported Not reported Future use commercial acreage: Not reported Future use industrial acreage: Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

209 SOUTH 26TH ST (Continued)

1010363768

Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Not reported Pesticides cleaned up: Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Not reported Unknown clean up: Not reported Arsenic contaminant found: Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

AC115 **213 SOUTH 26TH ST US BROWNFIELDS** 1010381889 213 SOUTH 26TH STREET South N/A

Beartooth Resource Conservation and Development Area, Inc.

1/4-1/2 BILLINGS, MT 59101

0.448 mi.

2367 ft. Site 2 of 3 in cluster AC

Relative:

Actual:

3123 ft.

US BROWNFIELDS:

Recipient name: Higher Grant type:

> Property name: 213 SOUTH 26TH ST Property #: Block 162, S 5 ft of Lot 18, Lots 19-20

Assessment

Parcel size: .26 Property Description: residence Latitude: 45.779472 Longitude: -108.498947

Address Matching-House Number HCM label:

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station

Not reported Datum: ACRES property ID: 15817 Start date: Not reported Not reported Completed date: Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported

Assessment funding: 2170

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Distance
Elevation Site Database(s)

213 SOUTH 26TH ST (Continued)

1010381889

EDR ID Number

EPA ID Number

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:
Not reported
Not reported
Not reported
Not reported
Not reported

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 98885001
Ownership entity: Not reported

Current owner: Samuel and Diane W. Rankin

Did owner change: Not reported Cleanup required: Not reported Video available: Not reported Photo available: Not reported Institutional controls required: Not reported IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Unknown State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Not reported Asbestos cleaned: Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Not reported Groundwater affected: Not reported Groundwater cleaned: Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Not reported Not reported Other cleaned up: Not reported Other metals found: Other metals cleaned: Not reported Not reported Other contaminants found: Not reported Other contams found description: PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Not reported Sediments cleaned:

Not reported

Not reported

Not reported

Not reported

Soil affected:

VOCs found:

Soil cleaned up:

Surface water cleaned:

Map ID MAP FINDINGS Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

213 SOUTH 26TH ST (Continued)

1010381889

VOCs cleaned: Not reported Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported Future use commercial acreage: Not reported Not reported Future use industrial acreage: Not reported Greenspace acreage and type: Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported Not reported No clean up: Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Not reported Arsenic contaminant found: Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Not reported Past Use: Multistory

US BROWNFIELDS AC116 **221 SOUTH 26TH ST** 1010381891 N/A

Beartooth Resource Conservation and Development Area, Inc.

South **221 SOUTH 26TH ST** 1/4-1/2 BILLINGS, MT 59101

0.452 mi.

2389 ft. Site 3 of 3 in cluster AC

US BROWNFIELDS: Relative: Recipient name: Higher

Grant type: Assessment Actual: Property name: 221 SOUTH 26TH ST 3123 ft. Block 162, Lot 21-22

Property #: Parcel size: .16

Property Description: residence

Direction Distance Elevation

on Site Database(s) EPA ID Number

221 SOUTH 26TH ST (Continued)

1010381891

EDR ID Number

Latitude: 45.779358 Longitude: -108.498836

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station

Datum: Not reported ACRES property ID: 15819 Start date: Not reported Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 2170

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:
Not reported
Not reported
Not reported
Not reported
Not reported

Grant type: H

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 98885001 Ownership entity: Not reported

Current owner: Samuel and Diane W. Rankin

Did owner change: Not reported Cleanup required: Not reported Video available: Not reported Not reported Photo available: Institutional controls required: Not reported IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported Not reported IC cat. enforcement permit tools: Not reported IC in place date: IC in place: Unknown State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Not reported Air contaminated: Not reported Air cleaned: Asbestos found: Not reported Not reported Asbestos cleaned: Not reported Controled substance found: Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Not reported Groundwater cleaned: Lead contaminant found: Not reported Lead cleaned up: Not reported Not reported No media affected: Unknown media affected: Not reported

Not reported

Not reported

Not reported

Other cleaned up:

Other metals found:

Other metals cleaned:

Map ID MAP FINDINGS
Direction

Distance
Elevation Site Database(s)

221 SOUTH 26TH ST (Continued)

1010381891

EDR ID Number

EPA ID Number

Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Not reported Petro products cleaned: Sediments found: Not reported Sediments cleaned: Not reported Not reported Soil affected: Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Not reported Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Not reported Past use industrial acreage: Future use greenspace acreage: Not reported Future use residential acreage: Not reported Future use commercial acreage: Not reported Future use industrial acreage: Not reported Not reported Greenspace acreage and type: Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported Not reported No clean up: Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Not reported Iron contaminant found: Not reported Mercury contaminant found: Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported Not reported SVOCs contaminant found: Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

221 SOUTH 26TH ST (Continued) 1010381891

Past Use: Multistory Not reported

U003921093 117 FORMER SMALL DOG INVESTMENTS LUST

5 S 28TH ST SW 1/4-1/2 **BILLINGS, MT**

0.456 mi. 2409 ft.

LUST: Relative:

Facility ID: 5614111 Higher Federally Regulated: Yes Actual: Release ID: 4310 3126 ft.

08/07/2003 Date of Release: Fund Eligible: Not reported **Active Site:** Yes

Transfer Agency Lead: Not reported **Transfer Date:** Not reported EPA Lead: Not reported Date Resolved: Not reported Latitude: 45.77412735 Longitude: -108.49327357

Lat/Long Method: Map Interpolation High Quality

Detail as of 06/16/2014:

Priority: 1.4 - High Priority Characterization

DEQ Project Manager: Raty, John (18983)

UST:

Facility ID: 5614111 Active Tanks: Not reported

Inactive Tanks: Open/Closed?: CLOSE

AD118 PRECISION PLUMBING & HEATING US BROWNFIELDS 1010363773 South 304 SOUTH 25TH ST N/A

1/4-1/2 BILLINGS, MT 59101

0.462 mi.

2440 ft. Site 1 of 2 in cluster AD

US BROWNFIELDS: Relative: Recipient name:

Beartooth Resource Conservation and Development Area, Inc. Lower Grant type: Assessment

Actual: PRECISION PLUMBING & HEATING Property name:

3120 ft. Property #: Block 171, Lots 3-12

Parcel size: Property Description: office, warehouse, storage, parking lot

Latitude: 45.779141 Longitude: -108.497849

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station

Datum: Not reported ACRES property ID: 15807 Start date: Not reported Completed date: Not reported Not reported Acres cleaned up:

UST

N/A

Distance Elevation

EDR ID Number
Site Database(s) EPA ID Number

PRECISION PLUMBING & HEATING (Continued)

1010363773

Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 2170

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:

Not reported
Not reported
Not reported
Not reported

Grant type: H

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 98885001
Ownership entity: Not reported

Current owner: David A. & Teresa J. Biegel

Did owner change: Not reported

Cleanup required: No

Video available: Not reported Photo available: Not reported

Institutional controls required: U

IC Category proprietary controls: Not reported Not reported IC cat. info. devices: IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported Not reported IC in place date: IC in place: Unknown State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported

Controled substance found: Y
Controled substance cleaned: Y

Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Not reported Lead contaminant found: Not reported Lead cleaned up: No media affected: Not reported Not reported Unknown media affected: Not reported Other cleaned up: Other metals found: Not reported Other metals cleaned: Not reported Other contaminants found: Not reported Other contams found description: Not reported Not reported PAHs found: PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

PRECISION PLUMBING & HEATING (Continued)

1010363773

Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Not reported Past use greenspace acreage: Past use residential acreage: Not reported Past use commercial acreage: Not reported Past use industrial acreage: Not reported Not reported Future use greenspace acreage: Future use residential acreage: Not reported Future use commercial acreage: Not reported Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Not reported Superfund Fed. landowner flag: Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Not reported Arsenic contaminant found: Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Not reported Copper contaminant found: Iron contaminant found: Not reported Not reported Mercury contaminant found: Not reported Nickel contaminant found: No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Not reported Future Use: Multistory Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

119 **GRIFFIN AUTOMOTIVE ENTERPRISES #2849** LUST S102770350 NE

1501 2ND AVE N N/A

1/4-1/2 **BILLINGS, MT**

0.464 mi. 2450 ft.

LUST: Relative:

Facility ID: 5613721 Lower

Federally Regulated: No Actual: Release ID: 2849 3113 ft. Date of Release: 12/04/1995 Fund Eligible: Not reported

> **Active Site:** No

Transfer Agency Lead: Not reported Not reported **Transfer Date:** EPA Lead: Not reported Date Resolved: 02/02/1996 Latitude: 45.79092 -108.49151 Lonaitude:

Lat/Long Method: Address Matching, Exact Match

Detail as of 06/16/2014:

Priority: Not reported

DEQ Project Manager: Stagner, Craig (17293)

ED'S HYDRAULIC JACK REPAIR US BROWNFIELDS 1016658177 AD120

South **317 SOUTH 25TH ST** BILLINGS, MT 59101

1/4-1/2

0.469 mi.

2474 ft. Site 2 of 2 in cluster AD

US BROWNFIELDS: Relative: Lower

Recipient name: Beartooth Resource Conservation and Development Area, Inc.

Grant type: Assessment

Actual: Property name: ED'S HYDRAULIC JACK REPAIR 3120 ft. Block 172, Lots 19-21

Property #: Parcel size: .24

Property Description: office and bus storage

Latitude: 45.779164 Longitude: -108.49686

HCM label: Address Matching-House Number

Map scale: Not reported

Entrance Point of a Facility or Station Point of reference:

Datum: Not reported ACRES property ID: 15810 Not reported Start date: Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 2170

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Not reported Redev. funding source: Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: Not reported Cleanup funding entity: Not reported

Grant type: Н

Phase I Environmental Assessment Accomplishment type:

FINDS

N/A

EDR ID Number

Distance
Elevation Site

Database(s)

EDR ID Number EPA ID Number

ED'S HYDRAULIC JACK REPAIR (Continued)

1016658177

Accomplishment count:

Cooperative agreement #: 98885001
Ownership entity: Not reported

Current owner: Robert J. Esser & Wallace Hall

Did owner change: Not reported Cleanup required: Not reported Video available: Not reported Photo available: Not reported Not reported Institutional controls required: IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Unknown State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Not reported Drinking water cleaned: Groundwater affected: Not reported Groundwater cleaned: Not reported Lead contaminant found: Not reported Not reported Lead cleaned up: No media affected: Not reported Unknown media affected: Not reported

Other cleaned up: Y

Other metals found: Not reported Other metals cleaned: Not reported

Other contaminants found: Y

jack oil barrels Other contams found description: PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Not reported Petro products found: Petro products cleaned: Not reported Not reported Sediments found: Not reported Sediments cleaned: Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: UST

Num. of cleanup and re-dev. jobs:
Past use greenspace acreage:
Past use residential acreage:
Past use commercial acreage:
Not reported

Direction Distance Elevation

ance EDR ID Number ration Site Database(s) EPA ID Number

ED'S HYDRAULIC JACK REPAIR (Continued)

1016658177

Future use residential acreage: Not reported Not reported Future use commercial acreage: Not reported Future use industrial acreage: Not reported Greenspace acreage and type: Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Not reported Chromium cleaned up: Copper cleaned up: Not reported Iron cleaned up: Not reported Not reported mercury cleaned up: nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Not reported Copper contaminant found: Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported Past Use: Multistory Not reported

FINDS:

Registry ID: 110038748656

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to

electronically submit data directly to EPA.

 121
 DOWNTOWN CONOCO
 LUST U003364137

 West
 2701 6TH AVE N
 UST N/A

 1/4-1/2
 BILLINGS, MT

1/4-1/2 0.475 mi. 2507 ft.

Relative: LUST:

Higher Facility ID: 5606967

Federally Regulated: Yes
Actual: Release ID: 4465

3129 ft.

Direction Distance

Elevation Site Database(s) **EPA ID Number**

DOWNTOWN CONOCO (Continued)

U003364137

N/A

EDR ID Number

Date of Release: 01/10/2006 Fund Eligible: Not reported **Active Site:** Yes **Transfer Agency Lead:** Not reported **Transfer Date:** Not reported Not reported EPA Lead: Not reported Date Resolved: Latitude: 45.78713 -108.50933 Longitude:

Lat/Long Method: Navigation - Quality GPS

Detail as of 06/16/2014:

2.0 - Medium Priority Characterization Priority:

Pool Billings, LUST (24472) DEQ Project Manager:

UST:

Facility ID: 5606967 Active Tanks:

Inactive Tanks: Not reported **OPEN** Open/Closed?:

MCDONNELL PROPERTIES - 302 NORTH 15TH US BROWNFIELDS 1014781932 **AE122**

NE **302 NORTH 15TH STREET**

BILLINGS, MT 59101 1/4-1/2

0.476 mi.

2512 ft. Site 1 of 3 in cluster AE

US BROWNFIELDS: Relative:

Big Sky Economic Development Authority Recipient name: Lower

Grant type: Assessment

Actual: Property name: MCDONNELL PROPERTIES - 302 NORTH 15TH 3114 ft.

Property #: 03103333102010000

Parcel size: .6

Property Description: 302 North 15th Street - Cabinet Shop. Chemicals used are unknown to

current land owner. Parish Truck Lines trucking company shop. Potential chemicals of concern are petroleum, metals, VOCs, and

SVOCs. Purchased approximately 6 years ago.

Latitude: 45.791633 Longitude: -108.492150

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Center of a Facility or Station Datum: World Geodetic System of 1984

122489 ACRES property ID: Start date: Not reported Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 1712

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Not reported Redev. funding source: Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: **EPA**

Cleanup funding entity: Not reported

Grant type: Н Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

MCDONNELL PROPERTIES - 302 NORTH 15TH (Continued)

1014781932

EDR ID Number

Accomplishment type: Phase I Environmental Assessment

Accomplishment count:

Cooperative agreement #: 97858101
Ownership entity: Private
Current owner: Matt McDonnell

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

U

No

Yes

U

U

IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Not reported Not reported State/tribal program date: State/tribal program ID: Not reported State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Drinking water cleaned: Not reported Groundwater affected: Not reported Groundwater cleaned: Not reported Not reported Lead contaminant found: Lead cleaned up: Not reported No media affected: Not reported

Unknown media affected:

Other cleaned up: Not reported Not reported Other metals found: Not reported Other metals cleaned: Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Not reported Petro products cleaned: Not reported Sediments found: Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported Not reported VOCs found: VOCs cleaned: Not reported Cleanup other description: Not reported Not reported Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Not reported Past use residential acreage: Not reported

Past use commercial acreage: .6

Past use industrial acreage: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MCDONNELL PROPERTIES - 302 NORTH 15TH (Continued)

1014781932

Future use greenspace acreage: Not reported Not reported Future use residential acreage:

Future use commercial acreage: .6

Not reported Future use industrial acreage: Greenspace acreage and type: Not reported

Superfund Fed. landowner flag:

Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported Not reported No clean up: Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported

MCDONNELL PROPERTIES - 322 NORTH 15TH US BROWNFIELDS 1014781933 AE123 322 NORTH 15TH STREET N/A

Not reported

NE 1/4-1/2 BILLINGS, MT 59101

Past Use: Multistory

0.479 mi.

2527 ft. Site 2 of 3 in cluster AE

US BROWNFIELDS:

Relative: Lower

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

Actual: MCDONNELL PROPERTIES - 322 NORTH 15TH Property name: 3114 ft.

Property #: 03103333102020000

Parcel size: .32

Property Description: 322 North 15th - Not in use when purchased by current land owner.

> Purchased approximately 25 eyars ago. It adjoins 302 North 15th Street and is currently used by Big Sky Collision for an auto body

paint shop. Past uses are unknown.

Latitude: 45.791991 Longitude: -108.492477

Address Matching-House Number HCM label:

Map scale: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

MCDONNELL PROPERTIES - 322 NORTH 15TH (Continued)

1014781933

EDR ID Number

Point of reference: Center of a Facility or Station World Geodetic System of 1984 Datum:

ACRES property ID: 122490 Start date: Not reported Completed date: Not reported Not reported Acres cleaned up: Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 1712

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding: Not reported Not reported Redev. funding source: Redev. funding entity name: Not reported Redevelopment start date: Not reported Assessment funding entity: **EPA** Cleanup funding entity: Not reported

Grant type:

Accomplishment type: Phase I Environmental Assessment

Accomplishment count:

97858101 Cooperative agreement #: Ownership entity: Private

Current owner: Matt McDonnell

Did owner change: Ν Cleanup required: Unknown Video available: No Photo available: Yes Institutional controls required: U

IC Category proprietary controls: Not reported IC cat. info. devices: Not reported Not reported IC cat. gov. controls: IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Not reported State/tribal program date: Not reported Not reported State/tribal program ID: State/tribal NFA date: Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Not reported Controled substance found: Not reported Not reported Controled substance cleaned: Drinking water affected: Not reported Not reported Drinking water cleaned: Not reported Groundwater affected: Groundwater cleaned: Not reported Lead contaminant found: Not reported Lead cleaned up: Not reported No media affected: Not reported Unknown media affected:

Other cleaned up: Not reported Other metals found: Not reported Not reported Other metals cleaned: Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

MCDONNELL PROPERTIES - 322 NORTH 15TH (Continued)

1014781933

EDR ID Number

PCBs found: Not reported Not reported PCBs cleaned up: Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: .32 Past use industrial acreage: Not reported

Past use industrial acreage:

Future use greenspace acreage:

Not reported

Not reported

Not reported

Not reported

Not reported

Future use commercial acreage: .32

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag: N

Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported Not reported nickel cleaned up: No clean up: Not reported Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Not reported Unknown clean up: Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Not reported Not reported Mercury contaminant found: Not reported Nickel contaminant found: No contaminant found: Not reported Not reported Pesticides contaminant found: Selenium contaminant found: Not reported SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Not reported Media affected indoor air: Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported

Past Use: Multistory

Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

AE124 MCDONNELL PROPERTIES - 315 NORTH 15TH US BROWNFIELDS 1014781931
NE 315 NORTH 15TH STREET N/A

NE 315 NORTH 15TH STREET 1/4-1/2 BILLINGS, MT 59101

0.479 mi.

2531 ft. Site 3 of 3 in cluster AE

Latitude:

Longitude:

Relative: US BROWNFIELDS: Recipient name:

Recipient name: Big Sky Economic Development Authority

Grant type: Assessment

Actual: Property name: MCDONNELL PROPERTIES - 315 NORTH 15TH

3114 ft. Property #: 03103333105030000, 03103333105040000, 03103333105050000, 3103333105070000

Parcel size:

Property Description: 315 North 15th Street - Auto Body Shop. Chemicals used are solvents,

paint, antifreeze, and oil. Yellowstone Radiator Shop auto repair in 1950s. East End Body Shop auto body repair in mid 1960s. Chuck's Body

Shop auto repair in early 1960s. Big Sky Crash Repair auto body repair in early 1970s to late 1990s. Potential chemicals of concern are petroleum, metals, VOCs, and SVOCs. Purchased approximately 30

years ago. 45.792083 -108.491664

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984

ACRES property ID: 122488
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 1712

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:

Not reported
Not reported
EPA
Not reported

Cleanup runding entity.

Grant type: H

Accomplishment type: Phase I Environmental Assessment

Not reported

Accomplishment count: 1
Cooperative agreement #: 97858101
Ownership entity: Private

Current owner: Matt McDonnell

Did owner change:

Cleanup required:

Video available:

Photo available:

Institutional controls required:

U

No

Yes

U

U

IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported Not reported IC in place date: IC in place: Not reported State/tribal program date: Not reported State/tribal program ID: Not reported

State/tribal NFA date:

EDR ID Number

Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) **EPA ID Number**

MCDONNELL PROPERTIES - 315 NORTH 15TH (Continued)

1014781931

EDR ID Number

Air contaminated: Not reported Not reported Air cleaned: Not reported Asbestos found: Not reported Asbestos cleaned: Controled substance found: Not reported Controled substance cleaned: Not reported Drinking water affected: Not reported Not reported Drinking water cleaned: Groundwater affected: Not reported Groundwater cleaned: Not reported Not reported Lead contaminant found: Lead cleaned up: Not reported No media affected: Not reported Unknown media affected: Other cleaned up: Not reported

Other metals found: Not reported Not reported Other metals cleaned: Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Petro products cleaned: Not reported Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported

Past use commercial acreage:

Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Future use residential acreage: Not reported

Future use commercial acreage: .8

Future use industrial acreage: Not reported Greenspace acreage and type: Not reported

Superfund Fed. landowner flag:

Not reported Arsenic cleaned up: Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported Not reported mercury cleaned up: nickel cleaned up: Not reported No clean up: Not reported Pesticides cleaned up: Not reported Not reported Selenium cleaned up: SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MCDONNELL PROPERTIES - 315 NORTH 15TH (Continued)

1014781931

Cadmium contaminant found: Not reported Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Iron contaminant found: Mercury contaminant found: Not reported Not reported Nickel contaminant found: Not reported No contaminant found: Not reported Pesticides contaminant found: Not reported Selenium contaminant found: SVOCs contaminant found: Not reported Not reported Unknown contaminant found: Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Not reported Unknown media cleaned up: Past Use: Multistory Not reported

S107678482 125 **SHOWROOM AUTO BODY #4476** LUST N/A

ENE 1415 1ST AVE N 1/4-1/2 **BILLINGS, MT**

0.495 mi. 2612 ft.

LUST: Relative:

Facility ID: 9995025 Lower

Federally Regulated: Yes Actual: Release ID: 4476 3112 ft. Date of Release: 02/22/2006 Fund Eligible: Not reported

> **Active Site:** Yes

Transfer Agency Lead: Not reported Transfer Date: Not reported EPA Lead: Not reported Date Resolved: Not reported Latitude: 45.79 Longitude: -108.489

Address Matching, Exact Match Lat/Long Method:

Detail as of 06/16/2014:

Priority: 3.0 - Medium Priority Remediation DEQ Project Manager: Pool Billings, LUST (24472)

US BROWNFIELDS 126 **301 SOUTH 26TH ST** 1010381890

301 SOUTH 26TH ST South 1/4-1/2 BILLINGS, MT 59101

0.498 mi. 2629 ft.

US BROWNFIELDS: Relative:

Beartooth Resource Conservation and Development Area, Inc. Recipient name: Higher

Grant type: Assessment

Actual: Property name: 301 SOUTH 26TH ST

3121 ft. Property #: Block 171, Lot 13 (W 73 ft & E 27 ft), 14

Parcel size:

Harvest Baptist Church, grocery store Property Description:

N/A

Distance

Elevation Site Database(s) EPA ID Number

301 SOUTH 26TH ST (Continued)

1010381890

EDR ID Number

Latitude: 45.778913 Longitude: -108.498439

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Entrance Point of a Facility or Station

Datum: Not reported ACRES property ID: 15818 Start date: Not reported Completed date: Not reported Acres cleaned up: Not reported Cleanup funding: Not reported Cleanup funding source: Not reported Assessment funding: 2170

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:
Not reported
Not reported
Not reported
Not reported
Not reported

Grant type: N/A

Accomplishment type: Phase I Environmental Assessment

Not reported

Not reported

Not reported

Not reported

Not reported

Accomplishment count: 1

Cooperative agreement #: 98885001 Ownership entity: Not reported

Current owner: Samuel and Diane W. Rankin

Did owner change: Not reported Cleanup required: Not reported Video available: Not reported Not reported Photo available: Institutional controls required: Not reported IC Category proprietary controls: Not reported IC cat. info. devices: Not reported IC cat. gov. controls: Not reported Not reported IC cat. enforcement permit tools: Not reported IC in place date: IC in place: Unknown State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Not reported Air contaminated: Not reported Air cleaned: Asbestos found: Not reported Not reported Asbestos cleaned: Not reported Controled substance found: Controled substance cleaned: Not reported Drinking water affected: Not reported Drinking water cleaned: Not reported Groundwater affected: Not reported Not reported Groundwater cleaned: Lead contaminant found: Not reported Lead cleaned up: Not reported

No media affected: Unknown media affected:

Other cleaned up:

Other metals found:

Other metals cleaned:

Map ID MAP FINDINGS
Direction

Distance Elevation Site

Database(s)

301 SOUTH 26TH ST (Continued)

1010381890

EDR ID Number

EPA ID Number

Other contaminants found: Not reported Other contams found description: Not reported PAHs found: Not reported PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported Petro products found: Not reported Not reported Petro products cleaned: Sediments found: Not reported Sediments cleaned: Not reported Not reported Soil affected: Not reported Soil cleaned up: Surface water cleaned: Not reported VOCs found: Not reported VOCs cleaned: Not reported Cleanup other description: Not reported Not reported Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Not reported Not reported Past use industrial acreage: Future use greenspace acreage: Not reported Future use residential acreage: Not reported Future use commercial acreage: Not reported Future use industrial acreage: Not reported Not reported Greenspace acreage and type: Superfund Fed. landowner flag: Not reported Arsenic cleaned up: Not reported Cadmium cleaned up: Not reported Chromium cleaned up: Not reported Not reported Copper cleaned up: Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported Not reported No clean up: Pesticides cleaned up: Not reported Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Unknown clean up: Not reported Arsenic contaminant found: Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Not reported Copper contaminant found: Not reported Not reported Iron contaminant found: Not reported Mercury contaminant found: Nickel contaminant found: Not reported Not reported No contaminant found: Pesticides contaminant found: Not reported Selenium contaminant found: Not reported Not reported SVOCs contaminant found: Unknown contaminant found: Not reported Future Use: Multistory Not reported Media affected Bluiding Material: Not reported Media affected indoor air: Not reported Building material media cleaned up: Not reported Indoor air media cleaned up: Not reported Unknown media cleaned up: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

301 SOUTH 26TH ST (Continued) 1010381890

Past Use: Multistory Not reported

U003364186 127 **TOWN PUMP INC BILLINGS 2** LUST UST N/A

NNE 602 N 16TH ST 1/4-1/2 **BILLINGS, MT**

0.498 mi. 2630 ft.

LUST: Relative: Facility ID: Lower

Federally Regulated: Yes Actual: 2446 Release ID: 3117 ft. Date of Release: 08/18/1994

Fund Eligible: Not reported **Active Site:** Yes

Transfer Agency Lead: Not reported **Transfer Date:** Not reported EPA Lead: Not reported Not reported Date Resolved: 45.776052 Latitude: Longitude: -108.556493

Lat/Long Method: Address Match, Exact Z4 USPS

5608670

Detail as of 06/16/2014:

Priority: 4.0 - Ground Water Management

DEQ Project Manager: Stremcha, Marla (17451)

UST:

Facility ID: 5608670 Active Tanks: Not reported

Inactive Tanks: Open/Closed?: CLOSE

US BROWNFIELDS 1014781935 128 **MCDONNELL PROPERTIES - 422 NORTH 15TH** NE **422 NORTH 15TH STREET** N/A

1/4-1/2 BILLINGS, MT 59101

0.499 mi. 2634 ft.

US BROWNFIELDS: Relative:

Recipient name: Big Sky Economic Development Authority Lower

Grant type: Assessment

Actual: MCDONNELL PROPERTIES - 422 NORTH 15TH Property name:

3114 ft. Property #: 03103333104030000

Parcel size:

Property Description: Not in use when purchased by current land owner. Purchased

approximately 25 years ago. 422 North 15th adjoining property to 415 North 16th was an Oil and Grease Warehouse and Auto repair in 1948 and it had tanks. In 1968 it said misc storage "earth floor". This

property was not in the MDEQ LUST database.

Latitude: 45.792772 Longitude: -108.493282

HCM label: Address Matching-House Number

Map scale: Not reported

Point of reference: Center of a Facility or Station World Geodetic System of 1984 Datum:

Direction Distance

Elevation Site Database(s) EPA ID Number

MCDONNELL PROPERTIES - 422 NORTH 15TH (Continued)

1014781935

EDR ID Number

ACRES property ID: 122492
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 1712

Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Redevelopment funding:
Redev. funding source:
Redev. funding entity name:
Redevelopment start date:
Assessment funding entity:
Cleanup funding entity:

Not reported
Not reported
EPA
Not reported

Cleanup funding entity: Not repo Grant type: H

Accomplishment type: Phase I Environmental Assessment

Accomplishment count: 1

Cooperative agreement #: 97858101 Ownership entity: Private

Current owner: Matt McDonnell

Did owner change: N

IC cat. info. devices: Not reported IC cat. gov. controls: Not reported IC cat. enforcement permit tools: Not reported IC in place date: Not reported IC in place: Not reported State/tribal program date: Not reported State/tribal program ID: Not reported State/tribal NFA date: Not reported Not reported Air contaminated: Not reported Air cleaned: Not reported Asbestos found: Asbestos cleaned: Not reported Controled substance found: Not reported Controled substance cleaned: Not reported Not reported Drinking water affected: Not reported Drinking water cleaned: Groundwater affected: Not reported Not reported Groundwater cleaned: Not reported Lead contaminant found: Lead cleaned up: Not reported No media affected: Not reported

Unknown media affected:

Other cleaned up: Not reported Not reported Other metals found: Other metals cleaned: Not reported Other contaminants found: Not reported Not reported Other contams found description: Not reported PAHs found: PAHs cleaned up: Not reported PCBs found: Not reported PCBs cleaned up: Not reported

Petro products found:

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

MCDONNELL PROPERTIES - 422 NORTH 15TH (Continued)

1014781935

Not reported Petro products cleaned: Sediments found: Not reported Sediments cleaned: Not reported Soil affected: Not reported Soil cleaned up: Not reported Surface water cleaned: Not reported Not reported VOCs found: VOCs cleaned: Not reported Cleanup other description: Not reported Num. of cleanup and re-dev. jobs: Not reported Past use greenspace acreage: Not reported Past use residential acreage: Not reported Past use commercial acreage: Past use industrial acreage: Not reported Future use greenspace acreage: Not reported Not reported Future use residential acreage: Future use commercial acreage: Future use industrial acreage: Not reported Greenspace acreage and type: Not reported Superfund Fed. landowner flag: Ν Arsenic cleaned up: Not reported Not reported Cadmium cleaned up: Chromium cleaned up: Not reported Copper cleaned up: Not reported Iron cleaned up: Not reported mercury cleaned up: Not reported nickel cleaned up: Not reported No clean up: Not reported Not reported Pesticides cleaned up: Selenium cleaned up: Not reported SVOCs cleaned up: Not reported Not reported Unknown clean up: Arsenic contaminant found: Not reported Not reported Cadmium contaminant found: Not reported Chromium contaminant found: Copper contaminant found: Not reported Iron contaminant found: Not reported Mercury contaminant found: Not reported Nickel contaminant found: Not reported Not reported No contaminant found: Not reported Pesticides contaminant found: Selenium contaminant found: Not reported Not reported SVOCs contaminant found: Not reported Unknown contaminant found: Future Use: Multistory Not reported

Media affected Bluiding Material:

Building material media cleaned up: Not reported

Media affected indoor air:

Past Use: Multistory

Indoor air media cleaned up: Unknown media cleaned up:

Direction Distance

Distance EDR ID Number Database(s) EPA ID Number

129 PIERCE PACKING PLANT SHWS S105697008
ENE 1420 MONTANA AVE REM RPROGRAM N/A

1/2-1 BILLINGS, MT

0.540 mi. 2849 ft.

Relative: SHWS:

Lower Site: PPPB
Program: CECRA

Actual: Alias Names: Mont Leather facility - MT Leather

3111 ft. Latitude: 45.7898

Longitude: -108.48836

REM RPROGRAM:

Site ID: PPPB

Lat/Long: 45.7898 / -108.48836

Program: CECRA

Alias Names: Mont Leather facility - MT Leather

Operation: Not reported Location: 1420 Montana Ave

Township: 1N Range: 26E P Section: 33

LL Coment: Location verified 5/6/15 by S. Trahan

Delisted Date:
Petition Date:
Agreement Date:
Not reported
Not reported
Not reported
Not reported
Not reported
Name:
Not reported
MDEQ STAFF
Phone Work:
(406) 444-6444
EMail:
Retrieve Date Site Summary:
05/31/2015

Site Summary: May 8, 2007Pierce Packing Plant, at 1420 Montana Avenue in Billings,

is an inactive, two-acre food packing facility which operated during an unknown period of time. Mont Leather is in the process of

re-opening the plant as a leather tanning facility

Detail As Of March 2013:

 Start Date:
 04/20/1993

 End Date:
 07/23/1993

 Report Date:
 Not reported

Description: Interim Action - Removal action - Entire Site

Purpose: Removal of contaminated roofing material and assessment of magnitude

and extent of contamination. This was a separate action from the

4/23/93 cleanup with MDHES oversight.

Contaminant:

Sphere: Industrial Waste

Contaminant: PCB Observed: Yes

Low Depth: Not reported Matieral Volume: Not reported Receptor: Not reported Distance: Not reported Area Impacted: <1 ac

Remark: PCBs in sump, drainage pipes, and sorbed to concrete in wastewater

treatment unit.

Sphere: Sludge Contaminant: PCB

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PIERCE PACKING PLANT (Continued)

S105697008

Observed: Yes

Low Depth: Not reported Matieral Volume: Not reported Receptor: Not reported Distance: Not reported Area Impacted: <1 ac

Remark: PCBs in sump, in drainage pipes, and sorbed to concrete in wastewater

treatment unit.

Program:

CECRA Program: Program Date: 04/01/1994 Listed Date: 06/08/1994 DeListed Date: Not reported State Rank: Low priority Not reported Referred:

130 CONOCO CPL WASTE DUMP AREA **CORNER OF 401 S. AND 23RD STREET** SE 1/2-1 **BILLINGS, MT**

DEL SHWS N/A **REM RPROGRAM**

WQA

S111099114

0.826 mi. 4359 ft.

MT WQA: Relative:

Site: **CWDB** Lower

Alternate Name: Conoco Continental Pipeline Waste Dump Area Actual:

45.779000000000003 Latitude: 3106 ft.

Longitude: -108.4849 Program: WQA

DELETED HWS:

CWDB Site: WQA Program: Ranking Code: NFA **Delisted Date:** 10/28/2002 Retrived Date: 05/31/2015 Program Date: 10/2/1996 10/2/1996 Listed: Referredj Date: None

REM RPROGRAM:

Site ID: **CWDB**

Lat/Long: 45.779000 / -108.4849

Program: WQA

Alias Names: Conoco Continental Pipeline Waste Dump Area

Operation: Operated from 10/2/96 to Corner of 401 S. and 23rd Street Location:

Township: 1S 26E Range: P Section:

LL Coment: Not reported **Delisted Date:** 10/28/2002 Petition Date: Not reported Agreement Date: Not reported Name: Laura Alvey

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONOCO CPL WASTE DUMP AREA (Continued)

S111099114

Phone Work: (406) 841-5062 lalvey@mt.gov EMail: Retrieve Date Site Summary: 05/31/2015

Site Summary: Jul 21 1998On September 19,1996 petroleum impacted soils and

groundwater were discovered during the construction of a pump station for the Beartooth Pipeline immediately southeast of the Conoco

Refinery in Billings, Montana. The legal description is

Detail As Of March 2013:

Start Date: 10/02/1996 End Date: 10/28/2002 Report Date: Not reported

Description: Notice Letter - Hydrocarbons in groundwater - Entire Site Conoco investigating. ENF ID # 407. CVID # 408. Purpose:

Program:

Program: WQA Program Date: 10/02/1996 Listed Date: 10/02/1996 10/28/2002 DeListed Date: State Rank: No further action Referred: Not reported

131 **CONSOLIDATED FREIGHTWAYS** WQA S111099093 NE 1002 THIRD AVE NORTH BILLINGS MT. **DEL SHWS** N/A **REM RPROGRAM**

1/2-1 **BILLINGS, MT**

0.830 mi. 4382 ft.

MT WQA: Relative:

CONF Site: Lower Alternate Name: Not reported

Actual: 45.793860000000002 Latitude:

3110 ft. -108.48537 Longitude:

Program: WQA

DELETED HWS:

CONF Site: WQA Program: Ranking Code: NFA **Delisted Date:** 7/29/1992 Retrived Date: 05/31/2015 Program Date: None Listed: 3/1/1992 Referredj Date: None

REM RPROGRAM:

Site ID: CONF

45.793860 / -108.48537 Lat/Long:

Program: WQA Alias Names: Not reported Operation: Not reported

Location: 1002 Third Ave North Billings MT.

Township: 1N 26E Range: P Section: 34

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CONSOLIDATED FREIGHTWAYS (Continued)

S111099093

LL Coment: Not reported 07/29/1992 Delisted Date: Petition Date: Not reported Agreement Date: Not reported MDEQ STAFF Name: Phone Work: (406) 444-6444 Not reported EMail: 05/31/2015 Retrieve Date Site Summary: Site Summary: Not reported

Detail As Of March 2013:

Start Date: 03/01/1992 End Date: 07/29/1992 Report Date: Not reported

Description: Notice Letter - Release-historic fuel leak - Entire Site

Purpose: Reviewed cleanup plans, provided technical assistance. 07-29-92.

Program:

Program: WQA

Program Date: Not reported 03/01/1992 Listed Date: 07/29/1992 **DeListed Date:** State Rank: No further action Referred: Not reported

CENEX PIPELINE HISTORIC RELEASE BILLINGS POST OFFICE S111099337 132 WQA **BEHIND 841 S 26TH (US POST OFFICE) DEL SHWS** SSE N/A

1/2-1 **BILLINGS, MT**

0.876 mi. 4627 ft.

MT WQA: Relative:

CBPO Site: Lower Alternate Name: Not reported

Actual: Latitude: 45.77499999999999

3113 ft. Longitude: -108.4903 Program: WQA

DELETED HWS:

Site: **CBPO** Program: WQA Ranking Code: NFA Delisted Date: 12/31/2008 Retrived Date: 05/31/2015 Program Date: 4/26/2007 4/26/2007 Listed: Referredj Date: None

REM RPROGRAM:

Site ID: CBPO

Lat/Long: 45.774999 / -108.4903

Program: WQA Alias Names: Not reported Operation: Not reported

behind 841 S 26th (US Post Office) Location:

Township: 1S **REM RPROGRAM**

Direction Distance

Elevation Site Database(s) EPA ID Number

CENEX PIPELINE HISTORIC RELEASE BILLINGS POST OFFICE (Continued)

S111099337

EDR ID Number

Range: 26E P Section: 2

LL Coment: Location verified 5/5/15 by S. Trahan using DEQ data mapping tool

Delisted Date: 12/31/2008
Petition Date: Not reported
Agreement Date: Not reported
Name: Laura Alvey
Phone Work: (406) 841-5062
EMail: lalvey@mt.gov
Retrieve Date Site Summary: 05/31/2015

Site Summary: Site SummaryCenex Pipeline Historic Diesel Release, BillingsLast

updated: December 31, 2008On April 20, 2007, Cenex Harvest States (Cenex) reported to DEQ's Enforcement Division that Cenex had

discovered diesel-contaminated soil and ground

Detail As Of March 2013:

 Start Date:
 04/20/2007

 End Date:
 Not reported

 Report Date:
 04/20/2007

Description: Notice Letter - Entire Site

Purpose: Cenex Harvest States is investigating release. Violation letter not

sent to Cenex Harvest States because it is unclear where the diesel came from. Cenex is investigated the release and found no groundwater

impacts. CVID # 11107.

Contaminant:

Sphere: Groundwater
Contaminant: Petroleum
Observed: No
Low Depth: 8

Matieral Volume: Not reported Receptor: Not reported Distance: Not reported Area Impacted: Not reported

Remark: 7 wells indicated that groundwater was not impacted

Program:

 Program:
 WQA

 Program Date:
 04/26/2007

 Listed Date:
 04/26/2007

 DeListed Date:
 12/31/2008

 State Rank:
 No further action

 Referred:
 Not reported

133 YALE OIL OF SOUTH DAKOTA SHWS \$105697061

ENE 700 FIRST AVE N DEL SHWS N/A 1/2-1 BILLINGS, MT DEL SHWS N/A

0.885 mi. 4671 ft.

Relative: SHWS:

Lower Site: YOSD

Program: CECRA

Actual: Alias Names: Carter Refinery - Billings 3106 ft. Latitude: 45.79332999999997

Longitude: -108.47945

Direction Distance

Elevation Site Database(s) EPA ID Number

YALE OIL OF SOUTH DAKOTA (Continued)

S105697061

EDR ID Number

DELETED HWS:

YOSD Site: Program: **CERCLA** Ranking Code: None Delisted Date: 11/1/1989 Retrived Date: 05/31/2015 Program Date: 5/8/1986 Listed: 5/8/1986 Referredj Date: 11/1/1989

Site: YOSD Program: WQA Ranking Code: **REF** Delisted Date: 11/1/1989 Retrived Date: 05/31/2015 Program Date: 5/8/1986 Listed: None Referredj Date: 11/1/1989

REM RPROGRAM:

Site ID: YOSD

Lat/Long: 45.793329 / -108.47945

Program: CECRA

Alias Names: Carter Refinery - Billings
Operation: Operated from 1929 to 1949

Location: 700 First Ave N

Township: 1N Range: 26E P Section: 34

LL Coment: Location confirmed 5/6/15 by S. Trahan

Delisted Date:
Petition Date:
Agreement Date:
Not reported
Agreement Date:
Not reported
Not reported
Not reported
Robert Roll
Phone Work:
(406) 841-5025
EMail:
rroll@mt.gov
Retrieve Date Site Summary:
05/31/2015

Site Summary: Yale Oil South DakotaFebruary 2013The Yale Oil of South Dakota

Comprehensive Environmental Cleanup and Responsibility Act (CECRA)

Facility (Facility) in Billings, Montana, is generally located in Section 34, Township 1 North, Range 26 East, Yello

Detail As Of March 2013:

 Start Date:
 07/01/2000

 End Date:
 07/01/2000

 Report Date:
 07/01/2000

Description: Interim Action - T&L plant area - North of tracks on RR right of way,

on area of former tetra ethyl lead plant

Purpose: Isolate public from accessing areas of high lead contamination

Contaminant:

Sphere: Surface Sediment
Contaminant: Metals; PAH
Observed: Yes

Low Depth: Not reported Matieral Volume: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

YALE OIL OF SOUTH DAKOTA (Continued)

S105697061

EDR ID Number

Receptor: Not reported Distance: Not reported Area Impacted: Not reported

Remark: Slightly elevated lead in on-site pond & Yegen Ditch sediments; PAHs

in Yegen Ditch including some in upgradient samples (Yale may not be the source). No contaminants found in Yellowstone R. sediments.

Sphere: Sludge

Contaminant: BTEX; Metals; Volatile

Observed: Yes

Low Depth: Not reported Matieral Volume: Not reported Receptor: Residences Distance: 700

Area Impacted: Not reported

Remark: Sludge sample from concrete storage tank contained elevated Pb levels

and low levels of PAH, the volatile solvents PCE and TCE, and toluene.

Sphere: Surface Water

Contaminant: Metals
Observed: Yes

Low Depth: Not reported Matieral Volume: Not reported

Receptor: Municipal drinking water intake

Distance: 300

Area Impacted: Not reported

Remark: Elevated lead levels in an on-site pond. No organic contaminants found

in surface water.

Sphere: Soils

Contaminant: Metals; PAH; TPH

Observed: Yes

Low Depth: Not reported Matieral Volume: Not reported Receptor: Residences Distance: 700

Area Impacted: Not reported

Remark: Open sludge pit(s) on site. Soil contaminated with TPH up to 41500

ppm; PAHs up to 51 ppm; Pb up to 18900 ppm; and slightly elevated

levels of As, Cr, & Hg.

Program:

Program: CECRA
Program Date: 11/01/1989
Listed Date: 01/01/1992
DeListed Date: Not reported
State Rank: High priority
Referred: Not reported

 Program:
 CERCLA

 Program Date:
 05/08/1986

 Listed Date:
 05/08/1986

 DeListed Date:
 11/01/1989

 State Rank:
 Not reported

 Referred:
 11/01/1989

Program: WQA

Direction Distance

Distance Elevation Site EDR ID Number Database(s) EPA ID Number

YALE OIL OF SOUTH DAKOTA (Continued)

S105697061

Program Date: 05/08/1986
Listed Date: Not reported
DeListed Date: 11/01/1989

State Rank: Referred to another program

Referred: 11/01/1989

134 BURLINGTON NORTHERN FACILITY BILLINGS

SHWS S106697040

IMMEDIATELY E/SE OF JCT. OF MONTANA AVE. AND DIVISION STREET DEL SHWS N/A

1/2-1 BILLINGS, MT REM RPROGRAM

0.901 mi. 4756 ft.

SW

Relative: SHWS:

Higher Site: BNFB Program: CECRA

Latitude: 45.7768999999999998 Longitude: -108.511799999999999

DELETED HWS:

Site: **BNFB** Program: **CERCLA** Ranking Code: None **Delisted Date:** 5/29/1991 Retrived Date: 05/31/2015 Program Date: 8/8/1989 Listed: 8/8/1989 Referredj Date: 5/29/1991

REM RPROGRAM:

Site ID: BNFB

Lat/Long: 45.776899 / -108.51179

Program: CECRA

Alias Names: BN Facility Billings

Operation: Operated from 1890 to 12/31/79

Location: Immediately E/SE of jct. of Montana Ave. and Division Street

Township: 1S Range: 26E P Section: 3

LL Coment: Location confirmed 5/5/15 by S. Trahan using DEQ data mapping tool

Delisted Date:
Petition Date:
Agreement Date:
Not reported
Nor reported
Name:
Not reported
Name:
MDEQ STAFF
Phone Work:
(406) 444-6444
EMail:
Not reported
Retrieve Date Site Summary:
05/31/2015

Site Summary: July 8, 2010Burlington Northern (BN) Facility - Billings, between

Montana Avenue and First Avenue South in Billings, is an inactive, approximately 20-acre locomotive fueling and maintenance facility,

which operated from the 1940s through the 1970s.

Detail As Of March 2013:

 Start Date:
 08/01/1995

 End Date:
 08/01/1995

 Report Date:
 Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

BURLINGTON NORTHERN FACILITY BILLINGS (Continued)

S106697040

EDR ID Number

Description: Notice Letter - 13 BN fueling facilities.
Purpose: Identifies BNSF as PLP and offers draft AOC.

Contaminant:

Sphere: Groundwater

Contaminant: Volatiles; Petroleum, diesel

Observed: Yes Low Depth: 15

Matieral Volume: Not reported Receptor: Yellowstone River

Distance: 8000 Area Impacted: 5 ac

Remark: Several inches of floating product on water table at site. Solvents

(PCE, TCE) occur upgradient and on-site but not in on-site soils; probably are from some other source, possibly Billings PCE plume.

Sphere: Soils

Contaminant: BTEX; PAH; TPH, diesel

Observed: Yes Low Depth: 15

Matieral Volume: Not reported Receptor: Groundwater

Distance: 2
Area Impacted: 5 ac

Remark: Various PAHs from 130 to 39,000 ppb and very low levels of TPH (44

ppm) and benzene found in on-site soils; benzene also found in off-site background soil sample. Site covered with fill so no direct

contact hazard.

Program:

Program: CECRA
Program Date: 05/29/1991
Listed Date: 01/01/1989
DeListed Date: Not reported
State Rank: Medium priority
Referred: Not reported

 Program:
 CERCLA

 Program Date:
 08/08/1989

 Listed Date:
 08/08/1989

 DeListed Date:
 05/29/1991

 State Rank:
 Not reported

 Referred:
 05/29/1991

Program: VCRA

Program Date: Not reported
Listed Date: Not reported
DeListed Date: Not reported
State Rank: Medium priority
Referred: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

135 **BIG HORN OIL & REFINING CO** SHWS S107982280 NE

ON N SIDE OF 4TH AVE N AND E OF 10TH STREET **DEL SHWS** N/A **BILLINGS, MT REM RPROGRAM**

1/2-1 0.958 mi.

5057 ft.

SHWS: Relative:

BIGH Lower Site: Program: **CECRA**

Actual: Alias Names: Bighorn Oil and Refinery Co

3115 ft. Latitude: 45.796669999999999

> Longitude: -108.48473

DELETED HWS:

BIGH Site: Program: **CERCLA** Ranking Code: None Delisted Date: 4/6/1987 Retrived Date: 05/31/2015 Program Date: 1/25/1985 Listed: 1/25/1985 Referredj Date: 4/6/1987

REM RPROGRAM:

Site ID: **BIGH**

45.796669 / -108.48473 Lat/Long:

Program: **CECRA**

Alias Names: Bighorn Oil and Refinery Co Operation: Operated from 06/05/30 to 03/30/37 On N side of 4th Ave N and E of 10th Street Location:

Township: 1N 26E Range: P Section: 34

LL Coment: Not reported **Delisted Date:** Not reported Not reported Petition Date: Agreement Date: Not reported Name: MDEQ STAFF Phone Work: (406) 444-6444 EMail: Not reported Retrieve Date Site Summary: 05/31/2015

April 4, 1996Bighorn Oil & Refining Company, on the north side of 4th Site Summary:

Avenue North and east of 10th Street in Billings, is an abandoned, approximately one-acre oil refinery which operated from 1930 to 1937.

The facility had four 5,000-gallon above-g

Detail As Of March 2013:

Start Date: 01/25/1985 End Date: 01/25/1985 Report Date: Not reported

CERCLA Discovery - CERCLA Discovery - Entire Site Description: Purpose: To evaluate the extent of contamination at the site, potential

pathways and receptors, and the sites potential for inclusion on the

NPL.

Program:

Program: **CECRA** Program Date: 05/22/1989 **EDR ID Number**

Map ID MAP FINDINGS Direction

Distance
Elevation Site Database(s)

BIG HORN OIL & REFINING CO (Continued) \$107982280

Listed Date: 01/01/1989
DeListed Date: Not reported
State Rank: Low priority
Referred: Not reported

 Program:
 CERCLA

 Program Date:
 01/25/1985

 Listed Date:
 01/25/1985

 DeListed Date:
 04/06/1987

 State Rank:
 Not reported

 Referred:
 04/06/1987

EDR ID Number

EPA ID Number

Count: 2 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BILLINGS	S108175851	USTFIELDS PROJECT #4502	1ST AVE S		LUST
BILLINGS	1003877527	YALE OIL OF SOUTH DAKOTA	1ST AVE. NORTH	59101	CERC-NFRAP

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/26/2015 Source: EPA
Date Data Arrived at EDR: 04/08/2015 Telephone: N/A

Number of Days to Update: 75 Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/26/2015 Source: EPA
Date Data Arrived at EDR: 04/08/2015 Telephone: N/A

Number of Days to Update: 75 Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 75

Source: EPA Telephone: N/A

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Last EDR Contact: 07/09/2015

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA Telephone: 703-412-9810 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 07/10/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA Telephone: 703-412-9810 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2015 Date Data Arrived at EDR: 03/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 06/01/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2015 Date Data Arrived at EDR: 03/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 06/01/2015

Next Scheduled EDR Contact: 09/14/2015

Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 13

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 08/12/2015

Next Scheduled EDR Contact: 11/30/2015 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/30/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 63

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Annually

State- and tribal - equivalent NPL

SHWS: CECRA (Non-NPL) Priority Sites List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 05/31/2015 Date Data Arrived at EDR: 06/10/2015 Date Made Active in Reports: 07/02/2015

Number of Days to Update: 22

Source: Department of Environmental Quality

Telephone: 406-444-1420 Last EDR Contact: 06/10/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Management Facilities List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/01/2006 Date Data Arrived at EDR: 12/13/2007 Date Made Active in Reports: 01/28/2008

Number of Days to Update: 46

Source: Department of Environmental Quality

Telephone: 406-444-5294 Last EDR Contact: 07/20/2015

Next Scheduled EDR Contact: 11/02/2015 Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank List for Montana

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/26/2015 Date Data Arrived at EDR: 04/15/2015 Date Made Active in Reports: 05/19/2015

Number of Days to Update: 34

Source: Department of Environmental Quality

Telephone: 406-444-5970 Last EDR Contact: 07/15/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 48

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 03/17/2015 Date Data Arrived at EDR: 05/01/2015

Date Made Active in Reports: 06/22/2015 Number of Days to Update: 52 Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 29

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015 Date Data Arrived at EDR: 01/08/2015 Date Made Active in Reports: 02/09/2015

Number of Days to Update: 32

Source: Environmental Protection Agency Telephone: 415-972-3372

Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015 Date Data Arrived at EDR: 04/28/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 24

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/03/2015 Date Data Arrived at EDR: 04/30/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 53

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 10

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

UST: Statewide UST Underground Storage Tank List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 01/30/2015 Date Data Arrived at EDR: 04/15/2015 Date Made Active in Reports: 05/19/2015

Number of Days to Update: 34

Source: Department of Environmental Quality

Telephone: 406-444-5970 Last EDR Contact: 07/15/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

AST: Above Ground Storage Tanks

A listing of AST site locations that have applied for assistance from the fund. The Board and the Petroleum Tank Release Cleanup Fund (Fund) were established by the 1989 Montana Legislature to provide adequate financial resources and effective procedures through which tank owners and operators may undertake, and be reimbursed for, cleanup of petroleum contamination and payment to third parties for damages caused by releases from petroleum storage tanks; to assist tank owners and operators in meeting financial assurance requirements under state and federal law governing operation of petroleum storage tanks; to assist in protecting public health and safety and the environment by providing cleanup of petroleum tank releases; and to provide tank owners with incentives to improve petroleum storage tank facilities in order to minimize the likelihood of accidental releases.

Date of Government Version: 06/02/2015 Date Data Arrived at EDR: 06/04/2015 Date Made Active in Reports: 07/02/2015

Number of Days to Update: 28

Source: Department of Environmental Quality

Telephone: 406-841-5092 Last EDR Contact: 08/10/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/03/2015 Date Data Arrived at EDR: 04/30/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 53

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/30/2014 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 10

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/26/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 27

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 03/17/2015 Date Data Arrived at EDR: 05/01/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 52

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014 Date Data Arrived at EDR: 11/25/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 65

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 48

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 28

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/06/2015 Date Data Arrived at EDR: 05/19/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 34

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 07/10/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Response Action List

Response Action Sites that have institutional controls in place.

Date of Government Version: 06/30/2013 Date Data Arrived at EDR: 07/05/2013 Date Made Active in Reports: 08/26/2013

Number of Days to Update: 52

Source: Department of Environmental Quality

Telephone: 406-444-2544 Last EDR Contact: 03/13/2015

Next Scheduled EDR Contact: 06/22/2015 Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014

Number of Days to Update: 36

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

VCP: Voluntary Cleanup & Redevelopment Act Registry

Sites involved in the Voluntary Cleanup & Redevelopment program.

Date of Government Version: 05/31/2015 Date Data Arrived at EDR: 06/10/2015 Date Made Active in Reports: 07/02/2015

Number of Days to Update: 22

Source: Department of Environmental Quality

Telephone: 406-444-1420 Last EDR Contact: 06/10/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Listing

The Environmental Protection Agency (EPA) defines brownfields as real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.

Date of Government Version: 08/18/2014 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 10/22/2014

Number of Days to Update: 7

Source: Department of Environmental Quality

Telephone: 406-841-5070 Last EDR Contact: 07/17/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/23/2015 Date Data Arrived at EDR: 03/24/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 70

Source: Environmental Protection Agency Telephone: 202-566-2777

Last EDR Contact: 06/24/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 09/02/2013 Date Data Arrived at EDR: 04/29/2014 Date Made Active in Reports: 05/22/2014

Number of Days to Update: 23

Source: Department of Environmental Quality

Telephone: 406-841-5200 Last EDR Contact: 07/24/2015

Next Scheduled EDR Contact: 11/02/2015 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 05/01/2015

Next Scheduled EDR Contact: 08/17/2015 Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 15

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Quarterly

DEL SHWS: Delisted List of CECRA Sites

A list of sites that have been delisted from the CECRA Priority List.

Date of Government Version: 05/31/2015 Date Data Arrived at EDR: 06/10/2015 Date Made Active in Reports: 07/02/2015

Number of Days to Update: 22

Source: Department of Environmental Quality

Telephone: 406-444-1420 Last EDR Contact: 06/10/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Semi-Annually

CDL: Clandestine Drug Labs
Clandestine drug lab locations.

Date of Government Version: 06/08/2015 Date Data Arrived at EDR: 06/11/2015 Date Made Active in Reports: 07/02/2015

Number of Days to Update: 21

Source: Department of Environmental Quality

Telephone: 406-444-2544 Last EDR Contact: 06/08/2015

Next Scheduled EDR Contact: 09/21/2015

Data Release Frequency: Varies

HIST CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations. This listing includes fields and records that the CDL listing does

not. It is no longer updated by the state.

Date of Government Version: 07/05/2006 Date Data Arrived at EDR: 10/24/2006 Date Made Active in Reports: 11/07/2006

Number of Days to Update: 14

Source: Department of Environmental Quality

Telephone: 406-444-5286 Last EDR Contact: 01/02/2008

Next Scheduled EDR Contact: 03/31/2008 Data Release Frequency: No Update Planned

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 15

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/30/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Annually

SPILLS: Hazardous Material Spills Report

Reported spills or hazardous material spills or releases

Date of Government Version: 05/08/2015 Date Data Arrived at EDR: 05/12/2015 Date Made Active in Reports: 05/19/2015

Number of Days to Update: 7

Source: Department of Environmental Quality

Telephone: 406-431-0014 Last EDR Contact: 08/10/2015

Next Scheduled EDR Contact: 11/23/2015

Data Release Frequency: Varies

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/10/2015 Date Data Arrived at EDR: 03/31/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/26/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/16/2015

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS Telephone: 888-275-8747 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 09/18/2014

Number of Days to Update: 8

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 07/08/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 04/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 06/12/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/07/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 05/26/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 12/30/2014 Date Data Arrived at EDR: 12/31/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 06/03/2015

Next Scheduled EDR Contact: 09/14/2015 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 110

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 01/29/2015

Next Scheduled EDR Contact: 06/08/2015 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 01/15/2015 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 14

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 06/25/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA,

TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 05/20/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 05/20/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015 Date Data Arrived at EDR: 02/06/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 07/09/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 33

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 07/17/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/31/2015 Date Data Arrived at EDR: 04/09/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 63

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 06/04/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/07/2015 Date Data Arrived at EDR: 04/09/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 07/09/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2015 Date Data Arrived at EDR: 02/27/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 26

Source: EPA

Telephone: (303) 312-6312 Last EDR Contact: 06/10/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 07/22/2015

Next Scheduled EDR Contact: 11/09/2015

Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 02/26/2013 Date Made Active in Reports: 04/19/2013

Number of Days to Update: 52

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/07/2015 Data Release Frequency: Biennially

WQA: WQA Site Ranking List

Sites regulated under the Montana Water Quality Act (WQA) are addressed by the Groundwater Remediation Program. These sites typically require long-term soil, surface water, and/or groundwater remediation and monitoring. This program addresses sites that are not addressed by the Leaking Underground Storage Tank Program, CECRA Program, Permitting and Compliance Division, or other state authorities.

Date of Government Version: 05/31/2015 Date Data Arrived at EDR: 06/10/2015 Date Made Active in Reports: 07/02/2015

Number of Days to Update: 22

Source: Department of Environmental Quality

Telephone: 406-841-5062 Last EDR Contact: 06/10/2015

Next Scheduled EDR Contact: 09/21/2015

Data Release Frequency: Varies

DRYCLEANERS: Drycleaner facilities
A listing of drycleaner facility locations.

Date of Government Version: 05/05/2015 Date Data Arrived at EDR: 06/18/2015 Date Made Active in Reports: 07/07/2015

Number of Days to Update: 19

Source: Department of Environmental Quality

Telephone: 406-841-5251 Last EDR Contact: 06/11/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Varies

AIRS: Emissions Inventory Listing Emissions inventory information.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 10/24/2014 Date Made Active in Reports: 02/06/2015

Number of Days to Update: 105

Source: Department of Environmental Quality

Telephone: 406-444-2742 Last EDR Contact: 07/13/2015

Next Scheduled EDR Contact: 10/12/2015 Data Release Frequency: Annually

REM RPROGRAM: Remediation Response Site Database

A listing of sites included in the Remediation Response Site Database.

Date of Government Version: 05/31/2015 Date Data Arrived at EDR: 06/10/2015 Date Made Active in Reports: 07/02/2015

Number of Days to Update: 22

Source: Department of Environmental Quality

Telephone: 406-444-0474 Last EDR Contact: 06/10/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Quarterly

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas,

Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 05/21/2015

Next Scheduled EDR Contact: 08/31/2015 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 07/31/2015

Next Scheduled EDR Contact: 11/09/2015 Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 10/20/2014 Date Data Arrived at EDR: 10/21/2014 Date Made Active in Reports: 10/22/2014

Number of Days to Update: 1

Source: Department of Environmental Quality

Telephone: 406-444-1808 Last EDR Contact: 07/20/2015

Next Scheduled EDR Contact: 11/02/2015 Data Release Frequency: Varies

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 07/13/2015

Next Scheduled EDR Contact: 10/28/2015 Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 03/18/2015 Date Data Arrived at EDR: 03/19/2015 Date Made Active in Reports: 03/31/2015

Number of Days to Update: 12

Source: Department of Environmental Quality

Telephone: 406-444-2876 Last EDR Contact: 06/11/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 06/12/2015

Next Scheduled EDR Contact: 09/21/2015 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/09/2015 Date Data Arrived at EDR: 03/10/2015 Date Made Active in Reports: 03/25/2015

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 08/12/2015

Next Scheduled EDR Contact: 11/30/2015 Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/16/2014 Date Data Arrived at EDR: 10/31/2014

Date Made Active in Reports: 11/17/2014

Number of Days to Update: 17

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/22/2015 Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014 Date Data Arrived at EDR: 10/31/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 17

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 06/22/2015

Next Scheduled EDR Contact: 10/05/2015 Data Release Frequency: Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 07/14/2015

Next Scheduled EDR Contact: 10/28/2015

Data Release Frequency: N/A

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA Telephone: 20

Telephone: 202-564-6023 Last EDR Contact: 05/14/2015

Next Scheduled EDR Contact: 08/24/2015 Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 05/14/2015

Next Scheduled EDR Contact: 08/24/2015 Data Release Frequency: Varies

ABANDONED MINES: Abandoned and Inactive Mines Database

Mine locations and attributes from the Montana Bureau of Mines and Geology (MBMG) Abandoned and Inactive Mines database. This data was compiled by MBMG using the U.S. Bureau of Mines MILS database as a basis. The information was updated during the USDA Forest Service (Region 1) and U.S. Bureau of Land Management mine inventory (conducted from 1992 to 2002). The coordinates and legal descriptions come from sources of varying accuracy. The attributes included here are a subset of those available from the MBMG database.

Date of Government Version: 01/10/2006 Date Data Arrived at EDR: 12/17/2012 Date Made Active in Reports: 12/21/2012

Number of Days to Update: 4

Source: Bureau of Mines and Geology Telephone: 406-496-4606

Last EDR Contact: 06/19/2015

Next Scheduled EDR Contact: 09/28/2015 Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/23/2015 Data Release Frequency: Quarterly

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014 Date Data Arrived at EDR: 11/26/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 07/07/2015

Next Scheduled EDR Contact: 10/19/2015 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Source: EDR, Inc.

Date Data Arrived at EDR: N/A Telephone: N/A

Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR C

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Montana.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Environmental Quality Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Montana.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 191

Source: Department of Environmental Quality Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2015 Date Data Arrived at EDR: 05/06/2015 Date Made Active in Reports: 05/20/2015

Number of Days to Update: 14

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 08/06/2015

Next Scheduled EDR Contact: 11/16/2015 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation Telephone: 281-546-1505

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation Telephone: 800-823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Daycare Facility List

Source: Department of Public Health & Human Services

Telephone: 406-444-1742

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

KRAFT PROPERTIES 115 N 22ND STREET BILLINGS, MT 59101

TARGET PROPERTY COORDINATES

Latitude (North): 45.7864 - 45° 47' 11.04" Longitude (West): 108.4986 - 108° 29' 54.96"

Universal Tranverse Mercator: Zone 12 UTM X (Meters): 694437.4 UTM Y (Meters): 5073141.0

Elevation: 3121 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 6057370 BILLINGS EAST, MT

Version Date: 2014

Northwest Map: 6057372 BILLINGS WEST, MT

Version Date: 2014

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

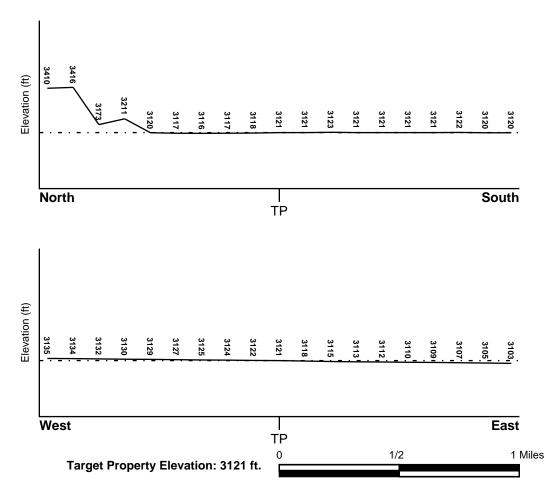
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood Electronic Data

Target Property County YELLOWSTONE, MT

YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

3000850010C - FEMA Q3 Flood data

Additional Panels in search area:

3001421010A - FEMA Q3 Flood data

3000850020C - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Electronic

NWI Quad at Target Property

Data Coverage

NOT AVAILABLE YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION
MAP ID FROM TP GROUNDWATER FLOW

Not Reported

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era: Mesozoic Category: Stratified Sequence

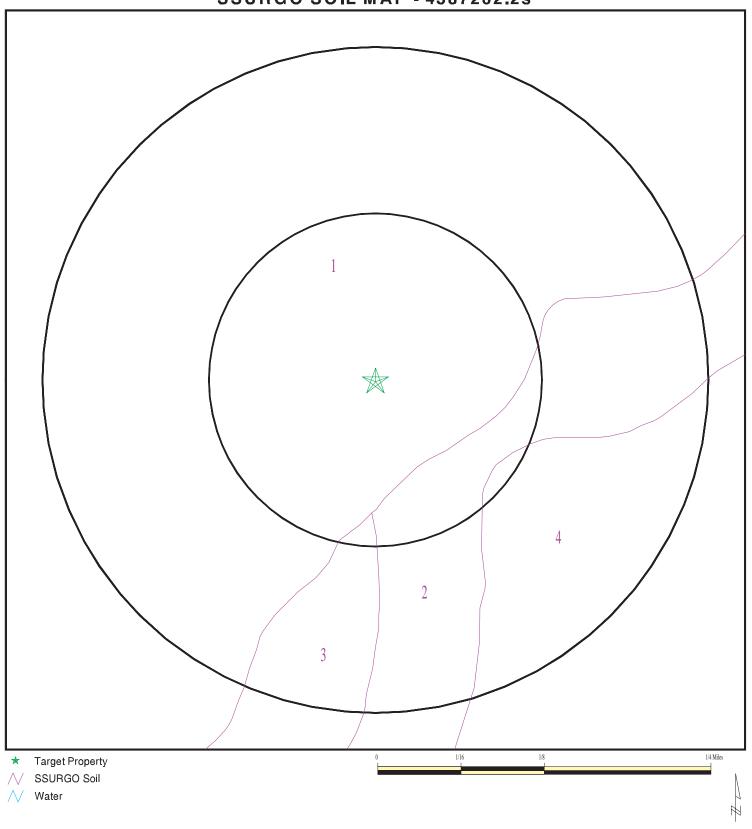
System: Cretaceous

Series: Austin and Eagle Ford Groups

Code: uK2 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4387262.2s



SITE NAME: Kraft Properties ADDRESS: 115 N 22nd Street Billings MT 59101 LAT/LONG: 45.7864 / 108.4986 CLIENT: NewFields CONTACT: Tyler Etzel INQUIRY #: 4387262.2s

DATE: August 18, 2015 6:58 pm

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: LOHMILLER

Soil Surface Texture:

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information						
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	9 inches		Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	9 inches	42 inches		Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
3	42 inches	59 inches		Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 9 Min: 7.9

Soil Map ID: 2

Soil Component Name: TOLUCA

Soil Surface Texture:

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information						
	Bou	ndary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	5 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 7.8 Min: 6.6
2	5 inches	11 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4
3	11 inches	35 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4
4	35 inches	59 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: HESPER

Soil Surface Texture:

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boui	ndary		Classif	ication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	1 inches		Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6

	Soil Layer Information						
	Bou	ndary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
2	1 inches	12 inches		Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
3	12 inches	16 inches		Not reported	Not reported	Max: 4 Min: 1.4	Max: 7.8 Min: 7.4
4	16 inches	44 inches		Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
5	44 inches	59 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 9 Min: 7.9

Soil Map ID: 4

Soil Component Name: **HAVERSON**

Soil Surface Texture:

Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse Hydrologic Group:

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

	Soil Layer Information						
	Boui	ndary	Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Oon itcachon
1	0 inches	5 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 6.1
2	5 inches	68 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

 MAP ID
 WELL ID
 FROM TP

 223
 USGS40000705140
 1/2 - 1 Mile ESE

 AP229
 USGS40000705095
 1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

F22 MT0001722 1/4 - 1/2 Mile SSW

Note: PWS System location is not always the same as well location.

MAP ID	WELL ID	LOCATION FROM TP
	MTG500000194687	0 - 1/8 Mile SE
A2	MTG500000183239	0 - 1/8 Mile SW
A3	MTG500000183277	0 - 1/8 Mile SW
A4	MTG500000003779	0 - 1/8 Mile SW
A5	MTG500000178544	0 - 1/8 Mile SW
A6	MTG500000183279	0 - 1/8 Mile SW
A7	MTG500000183278	0 - 1/8 Mile SW
B8	MTG500000103972	1/8 - 1/4 Mile North
B9	MTG500000106377	1/8 - 1/4 Mile North
B10	MTG500000106378	1/8 - 1/4 Mile North
C11	MTG500000204367	1/8 - 1/4 Mile ENE
C12	MTG50000001507	1/8 - 1/4 Mile ENE
13	MTG50000001229	1/8 - 1/4 Mile WNW
D14	MTG500000164097	1/8 - 1/4 Mile NNW
D15	MTG500000164096	1/8 - 1/4 Mile NNW
D16	MTG500000139009	1/8 - 1/4 Mile NNW
E17	MTG500000174617	1/8 - 1/4 Mile ESE
E18	MTG500000174432	1/8 - 1/4 Mile ESE
F19	MTD500000002603	1/8 - 1/4 Mile SSW

		LOCATION
MAP ID	WELL ID	FROM TP
		_
F20 F21	MTD500000002692 MTG500000076141	1/8 - 1/4 Mile SSW 1/8 - 1/4 Mile SSW
G23	MTG500000076141 MTG500000103906	1/4 - 1/2 Mile SE
G23 G24	MTG500000103906 MTG500000103358	1/4 - 1/2 Mile SE 1/4 - 1/2 Mile SE
G25	MTG500000103358	1/4 - 1/2 Mile SE 1/4 - 1/2 Mile SE
26	MTG500000103338 MTG500000142971	1/4 - 1/2 Mile SE
H27	MTG500000142971 MTG500000185473	1/4 - 1/2 Mile LSL
H28	MTG500000185473	1/4 - 1/2 Mile NE
H29	MTG500000185405	1/4 - 1/2 Mile NE
130	MTG500000197267	1/4 - 1/2 Mile WSW
J31	MTG500000100548	1/4 - 1/2 Mile SE
J32	MTG500000100362	1/4 - 1/2 Mile SE
K33	MTG500000193324	1/4 - 1/2 Mile SSE
K34	MTG500000193319	1/4 - 1/2 Mile SSE
K35	MTG500000193471	1/4 - 1/2 Mile SSE
K36	MTG500000193424	1/4 - 1/2 Mile SSE
K37	MTG500000169534	1/4 - 1/2 Mile SSE
K38	MTG500000169825	1/4 - 1/2 Mile SSE
K39	MTG500000142828	1/4 - 1/2 Mile SSE
K40	MTG500000074372	1/4 - 1/2 Mile SSE
K41	MTG500000137839	1/4 - 1/2 Mile SSE
K42	MTG500000169826	1/4 - 1/2 Mile SSE
K43	MTG500000192884	1/4 - 1/2 Mile SSE
K44	MTG500000192949	1/4 - 1/2 Mile SSE
K45	MTG500000192883	1/4 - 1/2 Mile SSE
K46	MTG500000169997	1/4 - 1/2 Mile SSE
K47	MTG500000173343	1/4 - 1/2 Mile SSE
L48	MTG500000161946	1/4 - 1/2 Mile West
L49	MTG500000163455	1/4 - 1/2 Mile West
L50	MTG500000161451	1/4 - 1/2 Mile West
L51	MTG500000138846	1/4 - 1/2 Mile West
L52 L53	MTG500000161218 MTG500000001506	1/4 - 1/2 Mile West 1/4 - 1/2 Mile West
L53	MTG500000001506 MTG500000002458	1/4 - 1/2 Mile West
I55	MTG50000002438 MTG500000197275	1/4 - 1/2 Mile WSW
156	MTG500000197279	1/4 - 1/2 Mile WSW
57	MTG500000111794	1/4 - 1/2 Mile SW
J58	MTG500000100361	1/4 - 1/2 Mile SE
J59	MTG500000100569	1/4 - 1/2 Mile SE
M60	MTG500000183683	1/4 - 1/2 Mile SSW
M61	MTG500000161207	1/4 - 1/2 Mile SSW
M62	MTG500000183739	1/4 - 1/2 Mile SSW
M63	MTG500000183871	1/4 - 1/2 Mile SSW
M64	MTG500000183740	1/4 - 1/2 Mile SSW
N65	MTG500000004263	1/4 - 1/2 Mile NNE
N66	MTG500000002673	1/4 - 1/2 Mile NNE
N67	MTG50000001504	1/4 - 1/2 Mile NNE
N68	MTG500000004264	1/4 - 1/2 Mile NNE
N69	MTG500000148898	1/4 - 1/2 Mile NNE
N70	MTG500000148837	1/4 - 1/2 Mile NNE
N71	MTG500000110600	1/4 - 1/2 Mile NNE
O72	MTG500000003957	1/4 - 1/2 Mile NW

LOCATION

MAP ID	WELL ID	FROM TP
O73	MTG500000003958	1/4 - 1/2 Mile NW
74	MTG500000001230	1/4 - 1/2 Mile NW
75	MTD500000001215	1/4 - 1/2 Mile NNE
76	MTG500000117608	1/4 - 1/2 Mile WSW
P77	MTG500000117600	1/4 - 1/2 Mile South
P78	MTG500000103920	1/4 - 1/2 Mile South
P79	MTG500000195990	1/4 - 1/2 Mile South
P80	MTG500000104254	1/4 - 1/2 Mile South
Q81	MTG500000100152	1/4 - 1/2 Mile SE
Q82	MTG500000100153	1/4 - 1/2 Mile SE
Q83	MTG500000102876	1/4 - 1/2 Mile SE
P84	MTG500000195742	1/4 - 1/2 Mile South
R85	MTG500000003670	1/4 - 1/2 Mile North
R86	MTG500000151828	1/4 - 1/2 Mile North
S87	MTG500000139438	1/4 - 1/2 Mile East
S88	MTG500000142057	1/4 - 1/2 Mile East
89	MTG500000112307	1/4 - 1/2 Mile ESE
90	MTG500000002457	1/4 - 1/2 Mile NNE
P91	MTG500000175077	1/4 - 1/2 Mile South
T92	MTG500000174152	1/4 - 1/2 Mile North
T93	MTG500000147780	1/4 - 1/2 Mile North
U94	MTG500000159761	1/4 - 1/2 Mile East
U95	MTG500000168948	1/4 - 1/2 Mile East
U96	MTG500000159705	1/4 - 1/2 Mile East
U97	MTG500000159429	1/4 - 1/2 Mile East
U98	MTG500000159676	1/4 - 1/2 Mile East
V99	MTG500000204104	1/4 - 1/2 Mile West
100	MTG500000002672	1/4 - 1/2 Mile WSW
101	MTG500000078086	1/4 - 1/2 Mile ESE
W102	MTG500000121359	1/2 - 1 Mile NNE
W103	MTG500000121459	1/2 - 1 Mile NNE
W104	MTG500000120339	1/2 - 1 Mile NNE
W105	MTG500000120344	1/2 - 1 Mile NNE
W106	MTG500000123316	1/2 - 1 Mile NNE
W107	MTG500000134764	1/2 - 1 Mile NNE
W108	MTG500000139881	1/2 - 1 Mile NNE
W109	MTG500000134311	1/2 - 1 Mile NNE
W110	MTG500000123734	1/2 - 1 Mile NNE
W111	MTG500000123770	1/2 - 1 Mile NNE
W112	MTG500000177582	1/2 - 1 Mile NNE
X113	MTG500000206369	1/2 - 1 Mile ENE
V114	MTG500000206371	1/2 - 1 Mile West
V115	MTG500000206370	1/2 - 1 Mile West
X116	MTG500000206368	1/2 - 1 Mile ENE
117	MTG500000100655	1/2 - 1 Mile ESE
118	MTG500000074373	1/2 - 1 Mile South
Y119	MTG500000111950	1/2 - 1 Mile West
Y120	MTG500000179949	1/2 - 1 Mile West
Y121	MTG500000181176	1/2 - 1 Mile West
Y122	MTG500000179950	1/2 - 1 Mile West
123	MTG500000076669	1/2 - 1 Mile SE
Z124	MTD500000001311	1/2 - 1 Mile SW

MAP ID	WELL ID	LOCATION FROM TP
125	MTG500000190081	1/2 - 1 Mile SSW
Z126	MTD500000002891	1/2 - 1 Mile SW
AA127	MTG500000207311	1/2 - 1 Mile SSW
128	MTG500000114419	1/2 - 1 Mile SE
AB129	MTG500000100571	1/2 - 1 Mile SSE
AC130	MTG500000142208	1/2 - 1 Mile SSE
AC131	MTG500000142209	1/2 - 1 Mile SSE
AC132	MTG500000140710	1/2 - 1 Mile SSE
AC133	MTG500000139326	1/2 - 1 Mile SSE
AC134	MTG500000139327	1/2 - 1 Mile SSE
AA135	MTG500000207443	1/2 - 1 Mile SSW
AD136	MTG500000078087	1/2 - 1 Mile SE
AB137	MTG500000100488	1/2 - 1 Mile SSE
138	MTG500000145554	1/2 - 1 Mile ENE
AE139	MTG500000074825	1/2 - 1 Mile ESE
AE140	MTG500000074399	1/2 - 1 Mile ESE
141	MTG500000155400	1/2 - 1 Mile SSW
AF142	MTG500000095323	1/2 - 1 Mile NE
AF143	MTG50000001505	1/2 - 1 Mile NE
AD144	MTG500000102877	1/2 - 1 Mile SSE
AD145	MTG500000102784	1/2 - 1 Mile SSE
AG146	MTG500000100546	1/2 - 1 Mile SE
AG147	MTG500000100545	1/2 - 1 Mile SE
AG148	MTG500000100531	1/2 - 1 Mile SE
AG149	MTG500000101026	1/2 - 1 Mile SE
AG150	MTG500000103091	1/2 - 1 Mile SE
AG151	MTG500000102782	1/2 - 1 Mile SE
AG152	MTG500000101330	1/2 - 1 Mile SE
AG153	MTG500000100149	1/2 - 1 Mile SE
AG154	MTG500000099976	1/2 - 1 Mile SE
AG155	MTG500000099975	1/2 - 1 Mile SE
AG156	MTG500000100483	1/2 - 1 Mile SE
AG157	MTG500000100530	1/2 - 1 Mile SE
AG158	MTG500000100529	1/2 - 1 Mile SE
AG159	MTG500000100484	1/2 - 1 Mile SE
AG160	MTG500000103408	1/2 - 1 Mile SE
AG161	MTG500000106100	1/2 - 1 Mile SE
AG162	MTG500000104237	1/2 - 1 Mile SE
AG163	MTG500000104236	1/2 - 1 Mile SE
AG164	MTG500000106103	1/2 - 1 Mile SE
AG165	MTG500000125724	1/2 - 1 Mile SE
AG166	MTG500000106319	1/2 - 1 Mile SE
AG167	MTG500000106104	1/2 - 1 Mile SE
AG168	MTG500000103778	1/2 - 1 Mile SE
AG169	MTG500000103539	1/2 - 1 Mile SE 1/2 - 1 Mile SE
AG170 AG171	MTG500000103459	
AG171 AG172	MTG500000103831 MTG500000103905	1/2 - 1 Mile SE 1/2 - 1 Mile SE
AG172 AG173	MTG500000103905 MTG500000103904	1/2 - 1 Mile SE 1/2 - 1 Mile SE
AG173 AG174	MTG500000103904 MTG500000103833	1/2 - 1 Mile SE 1/2 - 1 Mile SE
AG 174 AH 175	MTG500000103833 MTG500000207981	1/2 - 1 Mile SE 1/2 - 1 Mile SW
AI175 AI176	MTG500000207981 MTG500000100487	1/2 - 1 Mile SVV 1/2 - 1 Mile SSE
AIIIO	WH G300000 100467	1/2 - 1 WIIIE 33E

		LOCATION
MAP ID	WELL ID	FROM TP
AJ177	MTG500000093895	1/2 - 1 Mile West
AJ178	MTG500000003669	1/2 - 1 Mile West
AJ179	MTG500000093938	1/2 - 1 Mile West
AJ180	MTG500000094150	1/2 - 1 Mile West
AJ181	MTG500000094149	1/2 - 1 Mile West
AH182	MTG500000142598	1/2 - 1 Mile SW
AI183	MTG500000100535	1/2 - 1 Mile SSE
AI184	MTG500000076670	1/2 - 1 Mile SSE
AK185	MTG500000100955	1/2 - 1 Mile ENE
AK186	MTG500000100988	1/2 - 1 Mile ENE
AK187	MTG500000102951	1/2 - 1 Mile ENE
AH188	MTG500000207404	1/2 - 1 Mile SW
AH189	MTG500000206778	1/2 - 1 Mile SSW
AH190	MTG500000206124	1/2 - 1 Mile SSW
AH191	MTG500000206123	1/2 - 1 Mile SSW
192	MTG500000100550	1/2 - 1 Mile SSE
AH193	MTG500000207540	1/2 - 1 Mile SW
194	MTG500000115972	1/2 - 1 Mile WSW
AI195	MTG500000102878	1/2 - 1 Mile SSE
AL196	MTG500000076584	1/2 - 1 Mile SSW
AL197	MTG500000076671	1/2 - 1 Mile SSW
AL198	MTG500000076672	1/2 - 1 Mile SSW
AL199	MTG500000074371	1/2 - 1 Mile SSW
AL200	MTG500000074401	1/2 - 1 Mile SSW
AL201	MTG500000076583	1/2 - 1 Mile SSW
AL202	MTG500000088643	1/2 - 1 Mile SSW
AL203	MTG500000088644	1/2 - 1 Mile SSW
AL204	MTG500000088645	1/2 - 1 Mile SSW
AL205	MTG500000078216	1/2 - 1 Mile SSW
AL206	MTG500000078217	1/2 - 1 Mile SSW
AL207	MTG500000088642	1/2 - 1 Mile SSW
A1208	MTG500000102879	1/2 - 1 Mile SSE
AM209	MTG500000076580	1/2 - 1 Mile ESE
AM210	MTG500000102783	1/2 - 1 Mile ESE
AM211	MTG500000102874	1/2 - 1 Mile ESE
212	MTG500000002062	1/2 - 1 Mile ENE
AN213 AN214	MTG500000096604	1/2 - 1 Mile ENE 1/2 - 1 Mile ENE
	MTG500000096642 MTG500000096415	1/2 - 1 Mile ENE
AN215 AN216	MTG500000096415	1/2 - 1 Mile ENE
AN217	MTG500000096371 MTG500000096372	1/2 - 1 Mile ENE
AN218 AN219	MTG500000097105 MTG500000097292	1/2 - 1 Mile ENE 1/2 - 1 Mile ENE
AN220	MTG500000097292 MTG500000096752	1/2 - 1 Mile ENE
AN221	MTG500000096732	1/2 - 1 Mile ENE
AN222	MTG500000096751	1/2 - 1 Mile ENE
AO224	MTG500000098731 MTG500000206689	1/2 - 1 Mile ENE
AO225	MTG500000206996	1/2 - 1 Mile SW
AP226	MTG500000200330	1/2 - 1 Mile SW
AQ227	MTG500000100575	1/2 - 1 Mile SE
AQ228	MTG50000076581	1/2 - 1 Mile SE
AP230	MTG500000234287	1/2 - 1 Mile SSE
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		LOCATION
MAP ID	WELL ID	LOCATION FROM TP
AM231	MTG500000143994	1/2 - 1 Mile ESE
AM232	MTG500000201322	1/2 - 1 Mile ESE
AM233	MTG500000153728	1/2 - 1 Mile ESE
AM234	MTG500000144569	1/2 - 1 Mile ESE
AR235	MTG500000100637	1/2 - 1 Mile East
AR236	MTG500000100636	1/2 - 1 Mile East
AR237	MTG500000100656	1/2 - 1 Mile East
AR238	MTG500000145457	1/2 - 1 Mile East
AR239	MTG500000100819	1/2 - 1 Mile East
240	MTG500000116701	1/2 - 1 Mile SW
AS241	MTG500000102875	1/2 - 1 Mile ESE
AS242	MTG500000100151	1/2 - 1 Mile ESE
AM243	MTG500000221619	1/2 - 1 Mile ESE
AT244	MTG500000169853	1/2 - 1 Mile South
AT245	MTG500000169854	1/2 - 1 Mile South
AT246	MTG500000074831	1/2 - 1 Mile South
AT247	MTG500000133764	1/2 - 1 Mile South
AO248	MTG500000206997	1/2 - 1 Mile SW
AQ249	MTG500000191215	1/2 - 1 Mile SE
AU250	MTG500000002058	1/2 - 1 Mile West
AU251	MTG500000002456	1/2 - 1 Mile West
AV252	MTG500000221585	1/2 - 1 Mile ESE
AW253	MTG500000208347	1/2 - 1 Mile West
AX254	MTG500000147933	1/2 - 1 Mile NE
AX255	MTG500000147273	1/2 - 1 Mile NE
AX256	MTG500000146873	1/2 - 1 Mile NE
AX257	MTG500000171278	1/2 - 1 Mile NE
AX258	MTG500000170699	1/2 - 1 Mile NE
AX259	MTG500000148435	1/2 - 1 Mile NE
AY260	MTG500000203399	1/2 - 1 Mile NE
AV261	MTG500000100360	1/2 - 1 Mile ESE
AV262	MTG500000100359	1/2 - 1 Mile ESE
AV263	MTG500000100532	1/2 - 1 Mile ESE
AV264	MTG500000100568	1/2 - 1 Mile ESE
AV265	MTG500000100547	1/2 - 1 Mile ESE
AZ266	MTG500000100554	1/2 - 1 Mile SE
AW267	MTG500000208346	1/2 - 1 Mile West
268	MTG500000186238	1/2 - 1 Mile WNW
AY269	MTG500000203436	1/2 - 1 Mile NE
AW270	MTG500000208483	1/2 - 1 Mile West
AY271	MTG500000203928	1/2 - 1 Mile NE
272	MTG500000001231	1/2 - 1 Mile NE
BA273	MTG500000141039	1/2 - 1 Mile ENE
BA274	MTG500000140763	1/2 - 1 Mile ENE
BA275	MTG500000141204	1/2 - 1 Mile ENE
BA276	MTG500000142444	1/2 - 1 Mile ENE
BA277	MTG500000142443	1/2 - 1 Mile ENE
278	MTG500000098759	1/2 - 1 Mile East
BB279	MTG500000221586	1/2 - 1 Mile SE
BB280	MTG500000104234	1/2 - 1 Mile ESE
BB281	MTG500000100158	1/2 - 1 Mile ESE
AY282	MTG500000203927	1/2 - 1 Mile NE

MAP ID	WELL ID	LOCATION FROM TP
AV283	MTG500000100533	1/2 - 1 Mile ESE
AY284	MTG500000203591	1/2 - 1 Mile NE
AZ285	MTG500000074826	1/2 - 1 Mile SE
AZ286	MTG500000102790	1/2 - 1 Mile SE
BC287	MTG500000100526	1/2 - 1 Mile ESE
BD288	MTG500000221614	1/2 - 1 Mile SE
289	MTG500000201779	1/2 - 1 Mile SSW
BE290	MTG500000199637	1/2 - 1 Mile SW
BE291	MTG500000199738	1/2 - 1 Mile SW
BD292	MTG500000163434	1/2 - 1 Mile SE
BD293	MTG500000164143	1/2 - 1 Mile SE
BD294	MTG500000163127	1/2 - 1 Mile SE
BD295	MTG500000100364	1/2 - 1 Mile SE
BD296	MTG500000103538	1/2 - 1 Mile SE
BD297	MTG500000178075	1/2 - 1 Mile SE
BD298	MTG500000178240	1/2 - 1 Mile SE
BD299	MTG500000179445	1/2 - 1 Mile SE
BD300	MTG500000176489	1/2 - 1 Mile SE
BD301	MTG500000165133	1/2 - 1 Mile SE
BD302	MTG500000176125	1/2 - 1 Mile SE
BD303	MTG500000176127	1/2 - 1 Mile SE
BD304	MTG500000164144	1/2 - 1 Mile SE
BC305	MTG500000102777	1/2 - 1 Mile ESE
306	MTG50000004262	1/2 - 1 Mile West
BF307	MTG500000186798	1/2 - 1 Mile SSE
BG308	MTG500000184036	1/2 - 1 Mile SW
BG309	MTG500000180504	1/2 - 1 Mile SW
BG310	MTG500000184037	1/2 - 1 Mile SW
BG311	MTG500000184538	1/2 - 1 Mile SW
BH312	MTG500000100485	1/2 - 1 Mile ESE
BH313	MTG500000100486	1/2 - 1 Mile ESE
BE314	MTG500000123185	1/2 - 1 Mile SW
315	MTG500000128431	1/2 - 1 Mile West
316	MTG500000076140	1/2 - 1 Mile SSE
317	MTG500000102779	1/2 - 1 Mile ESE
BA318	MTG500000074956	1/2 - 1 Mile ENE
BA319	MTG500000078524	1/2 - 1 Mile ENE
BF320	MTG500000186799	1/2 - 1 Mile SSE
BB321	MTG500000100536	1/2 - 1 Mile ESE
322	MTG50000002455	1/2 - 1 Mile NW
323	MTG500000170140	1/2 - 1 Mile SSW
BI324	MTG500000171030	1/2 - 1 Mile NE
BI325	MTG500000171260	1/2 - 1 Mile NE
BI326	MTG500000171595	1/2 - 1 Mile NE
BI327	MTG500000170698	1/2 - 1 Mile NE
BI328	MTG500000170283	1/2 - 1 Mile NE
BI329	MTG500000170295	1/2 - 1 Mile NE
BI330	MTG500000170518	1/2 - 1 Mile NE
BI331	MTG500000190963	1/2 - 1 Mile NE
BI332	MTG500000191628	1/2 - 1 Mile NE
BI333	MTG500000191629	1/2 - 1 Mile NE
BI334	MTG500000197580	1/2 - 1 Mile NE

STATE DATABASE WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
BI335	MTG500000191333	1/2 - 1 Mile NE
BI336	MTG500000190964	1/2 - 1 Mile NE
BI337	MTG500000190965	1/2 - 1 Mile NE
BI338	MTG500000191332	1/2 - 1 Mile NE
BH339	MTG500000100157	1/2 - 1 Mile ESE
BH340	MTG500000100573	1/2 - 1 Mile ESE
BH341	MTG500000100552	1/2 - 1 Mile ESE
BH342	MTG500000100490	1/2 - 1 Mile ESE
343	MTG500000143677	1/2 - 1 Mile East
BF344	MTG500000186452	1/2 - 1 Mile SSE
BF345	MTG500000186776	1/2 - 1 Mile SSE
BF346	MTG500000187200	1/2 - 1 Mile SSE
347	MTG500000076585	1/2 - 1 Mile SSW
BJ348	MTG500000002014	1/2 - 1 Mile WNW
BJ349	MTG500000003668	1/2 - 1 Mile WNW
BK350	MTG500000229899	1/2 - 1 Mile ENE
BL351	MTG500000100553	1/2 - 1 Mile ESE
BL352	MTG500000100539	1/2 - 1 Mile ESE
BL353	MTG500000102789	1/2 - 1 Mile ESE
BL354	MTG500000102788	1/2 - 1 Mile ESE
BL355	MTG500000100574	1/2 - 1 Mile ESE
356	MTG500000102871	1/2 - 1 Mile ESE
357	MTG500000125740	1/2 - 1 Mile SE
358	MTG500000160724	1/2 - 1 Mile SW
BM359	MTG500000229920	1/2 - 1 Mile ENE
BN360	MTG500000088649	1/2 - 1 Mile WSW
BN361	MTG500000168892	1/2 - 1 Mile WSW
BO362	MTG500000139328	1/2 - 1 Mile ENE
BO363	MTG500000140323	1/2 - 1 Mile ENE
BO364	MTG500000140397	1/2 - 1 Mile ENE
BO365	MTG500000140324	1/2 - 1 Mile ENE
BK366	MTG500000229889	1/2 - 1 Mile ENE
BP367	MTG500000002671	1/2 - 1 Mile WNW
BP368	MTG50000003667	1/2 - 1 Mile WNW
BP369	MTG50000001503	1/2 - 1 Mile WNW
BP370	MTG500000002670	1/2 - 1 Mile WNW
BP371	MTG500000113537	1/2 - 1 Mile WNW
BP372	MTG500000185174	1/2 - 1 Mile WNW
BP373	MTG500000004260	1/2 - 1 Mile WNW
BP374	MTG500000004261	1/2 - 1 Mile WNW
375	MTG50000001228	1/2 - 1 Mile West
BM376	MTG500000229898	1/2 - 1 Mile ENE
377	MTG50000001232	1/2 - 1 Mile NE
378	MTG500000205490	1/2 - 1 Mile South
BQ379	MTG50000002057	1/2 - 1 Mile West
BQ380	MTG500000125105	1/2 - 1 Mile West

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

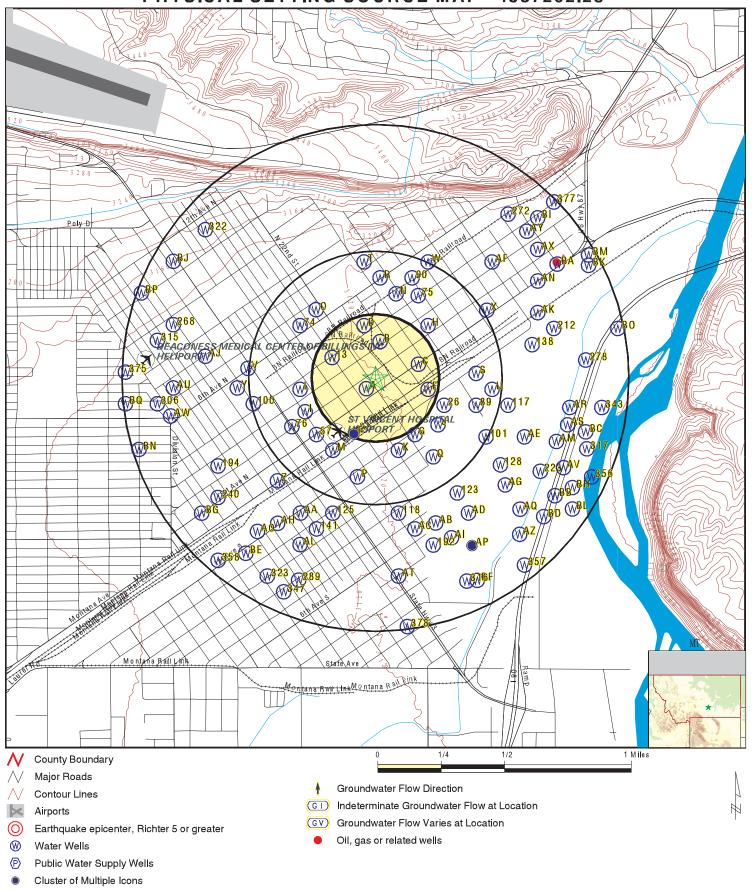
MAP ID	WELL ID	LOCATION FROM TP
A2	MTOG20000000130	1/2 - 1 Mile ENE

STATE OIL/GAS WELL INFORMATION

LOCATION MAP ID WELL ID FROM TP A1

MTOG20000000132 1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 4387262.2s



SITE NAME: Kraft Properties ADDRESS: 115 N 22nd Street CLIENT: NewFields CONTACT: Tyler Etzel Billings MT 59101 INQUIRY #: 4387262.2s LAT/LONG: 45 7864 / 108 4986

DATE: August 18, 2015 6:58 pm

Map ID Direction Distance

Elevation Database EDR ID Number

SE 0 - 1/8 Mile MT WELLS MTG500000194687

0 - 1/8 Mile Higher

Mnumber: 252449
Dnrc no: Not Reported

Site name: 1ST INTERSTATE BANK

Latitude: 45.78603 Longitude: -108.49822 Geomethod: NAV-GPS

Geomethod: NAV-GPS Datum: WGS84 Township: 01N Range: 26E Isp sect: 33 Tract: CA County: YELLOWSTONE WELL Type:

Tot dept: 26 Pwl: 0 Swl: 16 Recov wl: 0 Yield: 45 Test type: AIR Test dur: 6 0 Recov tm: Drillset: 26

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWD36
Comp date: 11-JUN-09 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000194687

A2 SW 0 - 1/8 Mile Higher

Mnumber: 235348

Dnrc no: Not Reported
Site name: KING RESOURCES
Latitude: 45.785746
Longitude: -108.499522

Geomethod: TRS-SEC NAD83 Datum: Township: 26E 01N Range: Isp sect: 33 Tract: CD County: YELLOWSTONE Type: WELL

Tot dept: 20
Pwl: 0
Swl: 12.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: CLAYTON LARSON Lic no: MWC417
Comp date: 28-MAR-07 Pws id: Not Reported

MT WELLS

MTG500000183239

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000183239

A3 SW MT WELLS MTG500000183277

Datum:

Range:

Tract:

Type:

NAD83

26E

CD

WELL

0 - 1/8 Mile Higher

Mnumber:235345Dnrc no:Not ReportedSite name:KING RESOURCES

Latitude: 45.785746
Longitude: -108.499522
Geomethod: TRS-SEC
Township: 01N

Isp sect: 33
County: YELLOWSTONE

Tot dept: 20
Pwl: 0
Swl: 13
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: CLAYTON LARSON Lic no: MWC417
Comp date: 27-MAR-07 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000183277

A4 SW MT WELLS MTG500000003779

0 - 1/8 Mile Higher

 Mnumber:
 11509

 Dnrc no:
 C002740-00

 Site name:
 CITY OF BILLINGS

 Latitude:
 45.785746

 Longitude:
 -108.499522

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CD 33 County: YELLOWSTONE WELL Type:

Tot dept: 26 Pwl: 21 13 Swl: Recov wl: 0 Yield: 80 Test type: OTHER Test dur: 4 Recov tm: 0 Drillset:

Who drill: Not Reported Lic no: WWC230 Comp date: 01-OCT-73 Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000003779

A5 SW MT WELLS MTG500000178544

0 - 1/8 Mile Higher

> 227915 Mnumber: Dnrc no: Not Reported

Site name: HILSENDEGER PATRICA

Latitude: 45.785746 Longitude: -108.499522 Geomethod: TRS-SEC

NAD83 Datum: Township: 01N Range: 26E Isp sect: Tract: CD 33 YELLOWSTONE County: WELL Type:

Tot dept: 18 Pwl: 0 Swl: 9.84 Recov wl: 0 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset:

MWC344 Who drill: HAZ TECH DRILLING INC Lic no: Comp date: 09-AUG-06 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000178544 Site id:

A6 SW 0 - 1/8 Mile MT WELLS MTG500000183279

Higher

Mnumber: 235349 Dnrc no: Not Reported KING RESOURCES Site name: Latitude: 45.785746

Longitude: -108.499522

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CD 33 YELLOWSTONE WELL County: Type:

Tot dept: 20 Pwl: 0 Swl: 12.7 Recov wl: 0 Yield: 0

Test type: Not Reported

Test dur: 0 Recov tm: 0 Drillset:

MWC417 Who drill: **CLAYTON LARSON** Lic no: 28-MAR-07 Comp date: Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000183279

SW MT WELLS MTG500000183278

Datum:

Range:

Tract:

Type:

NAD83

26E

CD

WELL

0 - 1/8 Mile Higher

> 235347 Mnumber: Dnrc no: Not Reported Site name: KING RESOURCES

Latitude: 45.785746 Longitude: -108.499522 Geomethod: TRS-SEC Township: 01N

Isp sect: 33 YELLOWSTONE County:

Tot dept: 20 Pwl: 0 Swl: 13 Recov wl: 0 0 Yield:

Test type: Not Reported

Test dur: 0 Recov tm: 0 Drillset:

MWC417 Who drill: **CLAYTON LARSON** Lic no: Comp date: 27-MAR-07 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000183278 Site id:

B8 North 1/8 - 1/4 Mile MT WELLS MTG500000103972

Lower

Mnumber: 133634 Dnrc no: Not Reported

METZ C.B. & DOROTHY Site name:

Latitude: 45.788476 Longitude: -108.498215

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CAD 33 YELLOWSTONE WELL County: Type:

Tot dept: 21 Pwl: 0 Swl: 13.02 Recov wl: 0 Yield: 0 Test type: **BAILER** Test dur: 0 Recov tm: 0 Drillset:

Who drill: HKM ENGINEERING INC Lic no: MWC3 02-NOV-92 Comp date: Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000103972

North 1/8 - 1/4 Mile MT WELLS MTG500000106377

Lower

133637 Mnumber: Dnrc no: Not Reported

Site name: METZ C.B. & DOROTHY

Latitude: 45.788476 Longitude: -108.498215 Geomethod: TRS-SEC

NAD83 Datum: Township: 01N Range: 26E Isp sect: Tract: CAD 33 YELLOWSTONE County: WELL Type:

Tot dept: 21 Pwl: 0 Swl: 12.91 Recov wl: 0 0 Yield: **BAILER** Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: HKM ENGINEERING INC Lic no: MWC3 Comp date: 02-NOV-92 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Ν Hydrograph: Ν

MTG500000106377 Site id:

B10 North 1/8 - 1/4 Mile MT WELLS MTG500000106378

Lower

Mnumber: 133642 Dnrc no: Not Reported

METZ C.B. & DOROTHY Site name:

45.788476 Latitude: Longitude: -108.498215 Geomethod: TRS-SEC

Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CAD 33 YELLOWSTONE WELL County: Type:

Tot dept: 21 Pwl: 0 Swl: 12.52 Recov wl: 0 Yield: 0 Test type: **BAILER** Test dur: 0 Recov tm: 0 Drillset:

Who drill: HKM ENGINEERING INC Lic no: MWC3 02-NOV-92 Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000106378

C11
ENE MT WELLS MTG500000204367

1/8 - 1/4 Mile Lower

Mnumber: 267400
Dnrc no: Not Reported
Site name: ARNDORFER, JULIE

Latitude: 45.78725 Longitude: -108.495222 Geomethod: NAV-GPS

Geomethod:NAV-GPSDatum:WGS84Township:01NRange:26EIsp sect:33Tract:CDCounty:YELLOWSTONEType:WELL

Tot dept: 17
Pwl: 0
Swl: 10
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 19-JUL-12 Pws id: Not Reported
Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000204367

ENE 1/8 - 1/4 Mile Lower

Mnumber: 11510
Dnrc no: Not Reported

Site name: WILCOXSON'S ICE CREAM & CANDY CO

Latitude: 45.787111 Longitude: -108.494949

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: **DCBA** 33 YELLOWSTONE WELL County: Type:

Tot dept: 22 Pwl: 14 9 Swl: Recov wl: 0 Yield: 15 Test type: OTHER Test dur: .03 Recov tm: 0 Drillset:

Who drill: JOHNSON WATER WELL SERVIDE no: WWC273
Comp date: 26-JAN-59 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG50000001507

13 WNW MT WELLS MTG50000001229

1/8 - 1/4 Mile Higher

Mnumber: 11503
Dnrc no: Not Reported
Site name: BAILEY C.E.
Latitude: 45.787566
Longitude: -108.502136
Geomethod: TRS-SEC.

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: С 33 YELLOWSTONE County: WELL Type:

Tot dept: 21 Pwl: 0 Swl: 13 Recov wl: 0 40 Yield: Test type: **PUMP** Test dur: 3 Recov tm: 0 Drillset: 0

Who drill: UNKNOWN Lic no: Not Reported Comp date: 07-JUL-72 Pws id: Not Reported Gwsi id: Not Reported Data sour: GW2

Wqdata: N Hydrograph: N

Site id: MTG500000001229

D14
NNW MT WELLS MTG500000164097

NNW 1/8 - 1/4 Mile Lower

> Mnumber: 213000 Dnrc no: Not Reported

Site name: HILSENDEGER PATRICIA

Latitude: 45.789386 Longitude: -108.499522 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 CA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 18 Pwl: 0 9.5 Swl: Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 21-JUL-04 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000164097

NNW MT WELLS MTG500000164096

1/8 - 1/4 Mile Lower

Mnumber: 212998
Dnrc no: Not Reported

Site name: HILSENDEGER PATRICIA

Latitude: 45.789386 Longitude: -108.499522 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 CA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 18 Pwl: 0 Swl: 9.5 Recov wl: 0 0 Yield: Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 21-JUL-04 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000164096

D16
NNW MT WELLS MTG500000139009

NNW 1/8 - 1/4 Mile Lower

> Mnumber: 177380 Dnrc no: Not Reported

Site name: PUBLIC AUCTION YARDS

Latitude: 45.789386 Longitude: -108.499522 Geomethod: TPS-SEC

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CA 33 YELLOWSTONE WELL County: Type:

Tot dept: 18.5 Pwl: 0 9.9 Swl: Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344
Comp date: 19-JUN-99 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000139009

E17
ESE MT WELLS MTG500000174617

1/8 - 1/4 Mile Lower

> Mnumber: 222212 Dnrc no: Not Reported

Site name: GREYHOUND BUS BILLINGS

Latitude: 45.785746 Longitude: -108.494295 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 DC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 24 Pwl: 0 Swl: 11 Recov wl: 0 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset:

Who drill:AMERICAN DRILLING & SUPPLYLic no:WWC344Comp date:18-MAY-05Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000174617

E18
ESE MT WELLS MTG500000174432

ESE 1/8 - 1/4 Mile Lower

Mnumber: 222210
Dnrc no: Not Reported

Site name: BILLINGS GREYHOUND BUS

Latitude: 45.785746 Longitude: -108.494295

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: DC 33 YELLOWSTONE WELL County: Type:

Tot dept: 23.6 Pwl: 0 Swl: 11 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344
Comp date: 17-MAY-05 Pws id: Not Reported

Gwsi id: Not Reported

Wqdata:

Site id: MTG500000174432

LOG Data sour: Hydrograph: Ν

Yellowstone

SSW 1/8 - 1/4 Mile MT WELLS MTD500000002603

County:

Lower

MT0004019 Sourceid: WL002 Pwsid: Class: NC Sourcetype: Groundwater

Primryname: The Horse Palace Well #1

Sourcename: Billings City: Respopul: 0 Nrespopul: 300 Latdd: 45.783325 Longdd: -108.5

Objectid: 29913 Site id: MTD500000002603

F20 SSW MT WELLS MTD500000002692 1/8 - 1/4 Mile

Lower

SWP Pwsid: MT0004097 Sourceid: NC Sourcetype: Purchased Class:

Primryname: County Market #207 Sourcename: Billings, City of

Billings County: Yellowstone City:

Respopul: 0 Nrespopul: 25

45.783325 Latdd: Longdd: -108.5 Objectid: 30002

Site id: MTD500000002692

MT WELLS MTG500000076141

F21 SSW 1/8 - 1/4 Mile Higher

> Mnumber: 93637 9195 Dnrc no:

REX HOTEL CO Site name: Latitude: 45.783165 Longitude: -108.500731

NAD83 Geomethod: TRS-SEC Datum: 26E Township: 01S Range: Isp sect: 3 Tract: ABA YELLOWSTONE County: Type: WELL

Tot dept: 26

Pwl: 15 Swl: 11 Recov wl: 0 Yield: 50 **PUMP** Test type: Test dur: 6 Recov tm: 0 Drillset: 0

Who drill: BILLINGS Lic no: WWC264
Comp date: 09-JUN-76 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000076141

F22 SSW FRDS PWS MT0001722 1/4 - 1/2 Mile

Higher

Epa region: 08 State: MT

Pwsid: MT0001722

Pwsname: BILLINGS CAREER CENTER

Not Reported MT City served: State served: Zip served: Not Reported Fips county: 30111 Status: Closed Pop srvd: 1560 Pwssvcconn: Source: Groundwater **TNCWS** Pws type: Owner: unknown

Contact: BILLINGS CAREER CENTER

Contactor gname: Not Reported

Contact phone: Not Reported Contact address1: Not Reported Contact address2: 3723 CENTRAL AVE Contact city: BILLINGS Contact state: MT Contact zip: 59101

Activity code:

Location Information:

Name: BILLINGS CAREER CENTER

Pwstypcd: TNCWS Primsrccd: GW

Popserved: 1560 Add1: Not Reported Add2: 3723 CENTRAL AVE

City: BILLINGS State: MT

Zip:59101Phone:Not ReportedCityserv:Not ReportedCntyserv:Not ReportedStateserv:MTZipserv:Not Reported

PWS ID: MT0001722

Date Initiated: 7706 Date Deactivated: Not Reported

PWS Name: BILLINGS CAREER CENTER

3723 CENTRAL AVE BILLINGS, MT 59101

Addressee / Facility: Mailing

BILLINGS CAREER CENTER 3723 CENTRAL AVE. BILLINGS, MT 59101

Facility Latitude: 45 46 59 Facility Longitude: 108 30 00

City Served: Not Reported

Treatment Class: Untreated Population: 00001560

Violations information not reported.

G23
SE MT WELLS MTG500000103906

1/4 - 1/2 Mile Lower

> Mnumber: 133381 Dnrc no: Not Reported

Site name: YELLOW FREIGHT TERMINAL * MW-1

Latitude: 45.783165 Longitude: -108.495374

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: Isp sect: AAA3 Tract: YELLOWSTONE WELL County: Type:

Tot dept: 15 Pwl: 0 Swl: 7.5 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Who drill: BILL/EARL (BRAX) Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000103906

G24
SE MT WELLS MTG500000103358

SE 1/4 - 1/2 Mile Lower

Mnumber: 133388
Dnrc no: Not Reported

Site name: YELLOW FREIGHT TERMINAL * MW-3

Latitude: 45.783165 Longitude: -108.495374

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 3
 Tract:
 AAA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 14.5 0 Pwl: Swl: 7 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: BILL/EARL (BRAX) Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000103358

G25 SE MT WELLS MTG500000103558

1/4 - 1/2 Mile Lower

> Mnumber: 133385 Dnrc no: Not Reported

Site name: YELLOW FREIGHT TERMINAL * MW-2

Latitude: 45.783165 Longitude: -108.495374

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: AAA3 Tract: YELLOWSTONE WELL County: Type:

Tot dept: 14.5 Pwl: 0 Swl: 8 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: BILL/EARL (BRAX) Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000103558

26 ESE MT WELLS MTG500000142971

1/4 - 1/2 Mile Lower

 Mnumber:
 181412

 Dnrc no:
 Not Reported

 Site name:
 CONOCO INC

 Latitude:
 45.784836

 Longitude:
 -108.492989

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: DCD 33 YELLOWSTONE WELL County: Type:

Tot dept: Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: PRO PUMP & EQUIPMENT INC Lic no: WWC508
Comp date: 15-OCT-99 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000142971

H27
NE MT WELLS MTG500000185473

1/4 - 1/2 Mile Lower

Mnumber: 238987

Dnrc no: Not Reported

Site name: BLESKIN PETE

Latitude: 45.789386

Longitude: -108.494295

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: DB 33 YELLOWSTONE County: WELL Type:

Tot dept: 20
Pwl: 0
Swl: 12
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 14-SEP-07 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000185473

H28 NE MT WELLS MTG500000185472

NE 1/4 - 1/2 Mile Lower

Mnumber: 238985
Dnrc no: Not Reported
Site name: BLESKIN PETE
Latitude: 45.789386
Longitude: -108.494295
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 DB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 20
Pwl: 0
Swl: 12.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 14-SEP-07 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000185472

H29
NE MT WELLS MTG500000185405

1/4 - 1/2 Mile Lower

 Mnumber:
 238986

 Dnrc no:
 Not Reported

 Site name:
 BLESKIN PETE

 Latitude:
 45.789386

 Longitude:
 -108.494295

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: DB 33 Tract: YELLOWSTONE County: WELL Type:

 Tot dept:
 20

 Pwl:
 0

 Swl:
 12

 Recov wl:
 0

 Yield:
 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:HAZ TECH DRILLING INCLic no:MWC344Comp date:14-SEP-07Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000185405

130 WSW MT WELLS MTG500000197267

WSW 1/4 - 1/2 Mile Higher

Mnumber: 256579
Dnrc no: Not Reported

Site name: GENERAL SERVICES ADMINISTRATION (GSA)

Latitude: 45.7847 Longitude: -108.504166 Geomethod: NAV-GPS

Geomethod: **NAV-GPS** Datum: WGS84 Township: 01N Range: 26E Isp sect: Tract: CC 33 YELLOWSTONE WELL County: Type:

Tot dept: 40
Pwl: 0
Swl: 14.9
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 24-MAY-10 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000197267

J31
SE MT WELLS MTG500000100548

1/4 - 1/2 Mile Lower

> Mnumber: 129315 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-23

Latitude: 45.783721 Longitude: -108.493873 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:2Tract:BBBBBCounty:YELLOWSTONEType:WELL

Tot dept: 22 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 21-SEP-88 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100548

J32 SE MT WELLS MTG500000100362

1/4 - 1/2 Mile Lower

Mnumber: 129316
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-4

Latitude: 45.783721 Longitude: -108.493873

Geomethod: TRS-SEC Datum: NAD83 26E Township: 01S Range: Isp sect: 2 Tract: **BBBBB** YELLOWSTONE WELL County: Type:

Tot dept: 19 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: MAYES DRILLING INC Lic no: Not Reported Comp date: 12-MAR-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000100362

K33 SSE MT WELLS MTG500000193324

1/4 - 1/2 Mile Lower

Mnumber: 251118
Dnrc no: Not Reported

Site name: MT DEQ * LUST TRUST * MW-5

Latitude: 45.782267 Longitude: -108.496713

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: AA3 Tract: WELL County: YELLOWSTONE Type:

 Tot dept:
 20

 Pwl:
 0

 Swl:
 14.72

 Recov wl:
 0

 Yield:
 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 04-JUN-09 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000193324

K34

SSE 1/4 - 1/2 Mile Lower

Mnumber: 251084
Dnrc no: Not Reported

Site name: MT DEQ * LUST TRUST * MW-6

Latitude: 45.782267 Longitude: -108.496713

Geomethod: TRS-SEC Datum: NAD83 26E Township: 01S Range: Isp sect: Tract: AA3 YELLOWSTONE WELL County: Type:

Tot dept: 20
Pwl: 0
Swl: 14.69
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 04-JUN-09 Pws id: Not Reported

MT WELLS

MTG500000193319

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000193319

K35 SSE MT WELLS MTG500000193471

1/4 - 1/2 Mile Lower

> Mnumber: 251124 Dnrc no: Not Reported

Site name: MT DEQ * LUST TRUST * MW-3

Latitude: 45.782267 Longitude: -108.496713

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: AA3 Tract: WELL County: YELLOWSTONE Type:

Tot dept: 20
Pwl: 0
Swl: 15.13
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:HAZ TECH DRILLING INCLic no:MWC435Comp date:03-JUN-09Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000193471

K36

SSE 1/4 - 1/2 Mile Lower

Mnumber: 251083
Dnrc no: Not Reported

Site name: MT DEQ * LUST TRUSS * MW-7

Latitude: 45.782267 Longitude: -108.496713

Geomethod: TRS-SEC Datum: NAD83 26E Township: 01S Range: Isp sect: Tract: AA3 YELLOWSTONE WELL County: Type:

Tot dept: 20
Pwl: 0
Swl: 14.83
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 04-JUN-09 Pws id: Not Reported

MT WELLS

MTG500000193424

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000193424

K37 SSE MT WELLS MTG500000169534

Datum:

Range:

Tract:

Type:

NAD83

26E

AA

WELL

MWC344

Not Reported

1/4 - 1/2 Mile Lower

Mnumber: 217232
Dnrc no: Not Reported
Site name: CONOCO PHILLIPS
Latitude: 45.782267

Longitude: -108.496713 Geomethod: TRS-SEC Township: 01S

 Isp sect:
 3

 County:
 YELLOWSTONE

 Tot dept:
 15

 Pwl:
 0

 SWI:
 8

 Recov wI:
 0

 Yield:
 0

 Test type:
 OTHER

 Test dur:
 0

 Recov tm:
 0

 Drillset:
 0

Who drill: HAZ TECH DRILLING INC Comp date: 15-FEB-05

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000169534

K38 SSE MT WELLS MTG500000169825

Lic no:

Pws id:

SSE 1/4 - 1/2 Mile Lower

Mnumber: 217233
Dnrc no: Not Reported
Site name: CONOCO PHILLIPS

Latitude: 45.782267 Longitude: -108.496713

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: AA3 YELLOWSTONE WELL County: Type:

Tot dept: 15 Pwl: 0 8 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 15-FEB-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000169825

K39 SSE MT WELLS MTG500000142828

1/4 - 1/2 Mile Lower

Mnumber: 176253
Dnrc no: Not Reported
Site name: CONOCO INC * CS-1

Latitude: 45.782267 Longitude: -108.496713 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:3Tract:AACounty:YELLOWSTONEType:WELL

Tot dept: 18.5 Pwl: 0 Swl: 7.4 Recov wl: 0 0 Yield: Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill:MAXIM TECHNOLOGIESLic no:WWC344Comp date:18-JUN-99Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000142828

K40 SSE MT WELLS MTG50000074372

SSE 1/4 - 1/2 Mile Lower

Mnumber: 93636

Dnrc no: Not Reported
Site name: LOWE ROBB
Latitude: 45.782267
Longitude: -108.496713

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: AA3 YELLOWSTONE WELL County: Type:

Tot dept: 30 Pwl: 12 8 Swl: 0 Recov wl: Yield: 20 Test type: **PUMP** Test dur: 2 Recov tm: 0 Drillset: 0

Who drill: BILLINGS Lic no: WWC344
Comp date: 05-JUN-81 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000074372

K41
SSE MT WELLS MTG500000137839

1/4 - 1/2 Mile Lower

Mnumber: 176254

Dnrc no: Not Reported
Site name: CONOCO INC * CS-2

Latitude: 45.782267 Longitude: -108.496713

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: AA3 YELLOWSTONE WELL County: Type:

Tot dept: 13.5
Pwl: 0
Swl: 6.6
Recov wl: 0
Yield: 0
Test type: OTHER
Test dur: 0
Recov tm: 0

Recov tm: 0
Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: WWC344
Comp date: 19-JUN-99 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000137839

K42 SSE MT WELLS MTG500000169826

SSE 1/4 - 1/2 Mile Lower

Mnumber: 217234

Dnrc no: Not Reported

Site name: EASTLICK DERALD

Latitude: 45.782267 Longitude: -108.496713 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 3
 Tract:
 AA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 15 Pwl: 0 8 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 10-FEB-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000169826

K43 SSE MT WELLS MTG500000192884

1/4 - 1/2 Mile Lower

> Mnumber: 251121 Dnrc no: Not Reported

Site name: MT DEQ * LUST TRUST * MW-2

Latitude: 45.782267 Longitude: -108.496713

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: AA3 Tract: WELL County: YELLOWSTONE Type:

 Tot dept:
 20

 Pwl:
 0

 Swl:
 15.12

 Recov wl:
 0

 Yield:
 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:HAZ TECH DRILLING INCLic no:MWC435Comp date:03-JUN-09Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000192884

K44
SSE MT WELLS MTG500000192949

1/4 - 1/2 Mile Lower

> Mnumber: 251125 Dnrc no: Not Reported

Site name: MT DEQ * LUST TRUST * MW-4

Latitude: 45.782267 Longitude: -108.496713

Geomethod: TRS-SEC Datum: NAD83 26E Township: 01S Range: Isp sect: Tract: AA3 YELLOWSTONE WELL County: Type:

Tot dept: 20
Pwl: 0
Swl: 15.26
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 04-JUN-09 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000192949

K45 SSE MT WELLS MTG500000192883

1/4 - 1/2 Mile Lower

Mnumber: 251119
Dnrc no: Not Reported

Site name: MT DEQ*LUST TRUST

Latitude: 45.782267 Longitude: -108.496713

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: AA3 YELLOWSTONE WELL County: Type:

Tot dept: 20
Pwl: 0
Swl: 14.75
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 03-JUN-09 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000192883

K46 SSE MT WELLS MTG500000169997

SSE 1/4 - 1/2 Mile Lower

Mnumber: 217235
Dnrc no: Not Reported
Site name: EASTLICK DERALD

Latitude: 45.782267 Longitude: -108.496713 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 3
 Tract:
 AA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 15 Pwl: 0 7.9 Swl: Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 10-FEB-05 Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000169997

SSE MT WELLS MTG500000173343

1/4 - 1/2 Mile Lower

> 217231 Mnumber: Dnrc no: Not Reported Site name: **CONOCO PHILLIPS** Latitude: 45.782267

Longitude: -108.496713 Geomethod: TRS-SEC

Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: AA3 YELLOWSTONE WELL County: Type:

Tot dept: 15 Pwl: 0 Swl: 8 0 Recov wl: 0 Yield: Test type: OTHER Test dur: 0 Recov tm: 0

Drillset: Who drill: HAZ TECH DRILLING INC

Comp date: 15-FEB-05 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000173343 Site id:

Lic no:

L48 West 1/4 - 1/2 Mile Higher

Mnumber: 208656 Dnrc no: Not Reported

BILLINGS GREYHOUND BUS Site name:

Latitude: 45.785746 Longitude: -108.504748 Geomethod: TRS-SEC

Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CC 33 YELLOWSTONE WELL County: Type:

Tot dept: 18.5 Pwl: 0 Swl: 10.58 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

WWC344 Who drill: AMERICAN DRILLING & SUPPLYLic no: Comp date: 21-OCT-03 Pws id: Not Reported

MWC344

MT WELLS

MTG500000161946

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000161946

L49
West MT WELLS MTG500000163455

1/4 - 1/2 Mile Higher

Mnumber: 208665
Dnrc no: Not Reported

Site name: BILLINGS GREYHOUND BUS

Latitude: 45.785746 Longitude: -108.504748

Geomethod: TRS-SEC NAD83 Datum: Township: 01N Range: 26E Isp sect: CC 33 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 18.7 Pwl: 0 Swl: 11.33 Recov wl: 0 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset:

Who drill:AMERICAN DRILLING & SUPPLYLic no:WWC344Comp date:22-OCT-03Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000163455

L50
West MT WELLS MTG500000161451

West 1/4 - 1/2 Mile Higher

> Mnumber: 208662 Dnrc no: Not Reported

Site name: BILLINGS GREYHOUND BUS

Latitude: 45.785746 Longitude: -108.504748

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CC 33 YELLOWSTONE WELL County: Type:

Tot dept: 17.5 Pwl: 0 Swl: 11.5 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344
Comp date: 22-OCT-03 Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000161451

West MT WELLS MTG500000138846

1/4 - 1/2 Mile Higher

> 177382 Mnumber: Dnrc no: Not Reported Site name: **C&D WAREHOUSE** Latitude: 45.785746

Longitude: -108.504748 Geomethod: TRS-SEC 01N

Datum: NAD83 Township: Range: 26E Isp sect: Tract: CC 33 YELLOWSTONE County: WELL Type:

Tot dept: 15.5 Pwl: 0 Swl: 9.5 Recov wl: 0 0 Yield: Test type: OTHER Test dur: 0 Recov tm: 0

Drillset:

MWC344 Who drill: MAXIM TECHNOLOGIES Lic no: Comp date: 19-JUN-99 Pws id: Not Reported LOG

Gwsi id: Not Reported Data sour: Wqdata: Hydrograph: Ν

MTG500000138846 Site id:

L52 MT WELLS MTG500000161218

West 1/4 - 1/2 Mile Higher

> Mnumber: 208659 Dnrc no: Not Reported

BILLINGS GREYHOUND BUS Site name:

Latitude: 45.785746 Longitude: -108.504748 Geomethod: TRS-SEC

Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CC 33 YELLOWSTONE WELL County: Type:

Tot dept: 18.6 Pwl: 0 Swl: 11 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

WWC344 Who drill: AMERICAN DRILLING & SUPPLYLic no: 21-OCT-03 Comp date: Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000161218

West 1/4 - 1/2 Mile MT WELLS MTG500000001506

Higher

11508 Mnumber: Dnrc no: C014604-00 Site name: SMITH ELIZABETH Latitude: 45.785746

Longitude: -108.504749 Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CC 33 YELLOWSTONE County: WELL Type:

Tot dept: 20 Pwl: 0 Swl: 14.8 Recov wl: 0 35 Yield: Test type: PUMP Test dur: 3.5 Recov tm: 0

Who drill: Not Reported Lic no: Not Reported Comp date: 21-JUN-77 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Ν Hydrograph: Ν

MTG500000001506 Site id:

0

L54 MT WELLS MTG500000002458

West 1/4 - 1/2 Mile Higher

Drillset:

Mnumber: 11507 Dnrc no: Not Reported LARSSON MRS L B Site name: Latitude: 45.785746 Longitude: -108.504749

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CC 33 County: YELLOWSTONE WELL Type:

Tot dept: 17 Pwl: 0 Swl: 13 Recov wl: 0 Yield: 35 Test type: OTHER Test dur: 0 0 Recov tm:

Drillset: 0 Who drill: Not Reported Lic no: Not Reported 15-AUG-60 Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: GW4
Wqdata: N Hydrograph: N

Site id: MTG500000002458

I55
WSW MT WELLS MTG500000197275

1/4 - 1/2 Mile Higher

> Mnumber: 256581 Dnrc no: Not Reported

Site name: GENERAL SERVICES ADMINISTRATION (GSA)

Latitude: 45.784383 Longitude: -108.504316

Geomethod: NAV-GPS WGS84 Datum: Township: 01N Range: 26E Isp sect: CC 33 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 25
Pwl: 0
Swl: 15
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 25-MAY-10 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000197275

I56 WSW 1/4 - 1/2 Mile Higher

Mnumber: 256580
Dnrc no: Not Reported

Site name: GENERAL SERVICES ADMINISTRATION (GSA)

Latitude: 45.784316 Longitude: -108.504516

Geomethod: **NAV-GPS** Datum: WGS84 Township: 01N Range: 26E Isp sect: Tract: CC 33 YELLOWSTONE WELL County: Type:

 Tot dept:
 25

 Pwl:
 0

 Swl:
 14.9

 Recov wl:
 0

 Yield:
 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 25-MAY-10 Pws id: Not Reported

MT WELLS

MTG500000197239

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000197239

MT WELLS MTG500000111794

1/4 - 1/2 Mile Higher

> 143907 Mnumber: Dnrc no: Not Reported Site name: SASICH MIKE Latitude: 45.783165 Longitude: -108.50341

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: ABB 3 YELLOWSTONE County: WELL Type:

Tot dept: 24 Pwl: 0 Swl: 8 0 Recov wl: 20 Yield: Test type: **PUMP** Test dur: 5 Recov tm: 0

Drillset:

WWC344 Who drill: AMERICAN DRILLING & SUPPLYLic no: Comp date: 14-JUN-89 Not Reported Pws id: Gwsi id: Not Reported Data sour: LOG

Wqdata: Ν Hydrograph: Ν

MTG500000111794 Site id:

J58 MT WELLS MTG500000100361

1/4 - 1/2 Mile Lower

> Mnumber: 129314 Dnrc no: Not Reported

BILLINGS REFINERY * RW-102 Site name:

Latitude: 45.783721 Longitude: -108.493089

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: **BBBBA** County: YELLOWSTONE WELL Type:

Tot dept: 20 Pwl: 0 8 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: ADVANCED WELL DRILLING IN Cic no: Not Reported 19-MAR-91 Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000100361

J59 SE MT WELLS MTG500000100569

1/4 - 1/2 Mile Lower

Mnumber: 129313
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-22

Latitude: 45.783721 Longitude: -108.493089 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:2Tract:BBBBACounty:YELLOWSTONEType:WELL

Tot dept: 19 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 21-SEP-88 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100569

M60 SSW MT WELLS MTG500000183683

SSW 1/4 - 1/2 Mile Higher

Mnumber: 236575
Dnrc no: Not Reported

Site name: WHITELEY CRAIG* MW -1

Latitude: 45.782267 Longitude: -108.50207

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: AΒ 3 YELLOWSTONE WELL County: Type:

Tot dept: 20.5
Pwl: 0
Swl: 15.6
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: Not Reported Lic no: MWC417
Comp date: 18-JUN-07 Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000183683

M61 SSW 1/4 - 1/2 Mile MT WELLS MTG500000161207

Higher

208564 Mnumber: Dnrc no: Not Reported Site name: THE REX Latitude: 45.782267 Longitude: -108.50207

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: AΒ 3 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 19 Pwl: 0 Swl: 14 Recov wl: 14 20 Yield: Test type: AIR Test dur: 1 Recov tm: .5 Drillset: 19

WWC344 Who drill: AMERICAN DRILLING & SUPPLYLic no: Comp date: 29-SEP-03 Not Reported Pws id:

Gwsi id: Not Reported Data sour: LOG Wqdata: Ν Hydrograph: Ν

MTG500000161207 Site id:

M62 MT WELLS MTG500000183739

SSW 1/4 - 1/2 Mile Higher

> Mnumber: 236571 Dnrc no: Not Reported

WHITELEY CRAIG *MW-4 Site name:

Latitude: 45.782267 Longitude: -108.50207

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: AΒ 3 YELLOWSTONE WELL County: Type:

Tot dept: 20.5 Pwl: 0 Swl: 14.6 Recov wl: 0 Yield: 0

Test type: Not Reported

Test dur: 0 0 Recov tm: Drillset: 0

Who drill: Not Reported Lic no: MWC417 19-JUN-07 Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000183739

M63 SSW MT WELLS MTG500000183871 1/4 - 1/2 Mile

1/4 - 1/2 Mile Higher

Mnumber: 236573
Dnrc no: Not Reported

Site name: WHITELEY CRAIG* MW-2

Latitude: 45.782267 Longitude: -108.50207

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: AΒ 3 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 20.5
Pwl: 0
Swl: 14.3
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:Not ReportedLic no:MWC417Comp date:18-JUN-07Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000183871

M64 SSW MT WELLS MTG500000183740

SSW 1/4 - 1/2 Mile Higher

Mnumber: 236572
Dnrc no: Not Reported

Site name: WHITELEY CRAIG* MW-3

Latitude: 45.782267 Longitude: -108.50207

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: AΒ 3 YELLOWSTONE WELL County: Type:

Tot dept: 20.5
Pwl: 0
Swl: 14.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: Not Reported Lic no: MWC417
Comp date: 18-JUN-07 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000183740

N65 NNE MT WELLS MTG50000004263

1/4 - 1/2 Mile Lower

 Mnumber:
 11496

 Dnrc no:
 C014534-00

 Site name:
 MAHAN WAYNE

 Latitude:
 45.791206

 Longitude:
 -108.496909

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: Not Reported 33 YELLOWSTONE WELL County: Type:

Tot dept: 21 Pwl: 11 Swl: 11 Recov wl: 0 35 Yield: Test type: PUMP Test dur: 3.5 Recov tm: 0 Drillset: 0

Who drill: TIPPETS Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000004263

N66 NNE MT WELLS MTG50000002673

NNE 1/4 - 1/2 Mile Lower

Mnumber: 11497
Dnrc no: Not Reported
Site name: KUHL SYDNEY M.
Latitude: 45.791206
Longitude: -108.496909
Geomethod: TRS-SEC

Geomethod: TRS-SEC Datum: NAD83
Township: 01N Range: 26E

 Isp sect:
 33
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 14 Pwl: 11 9 Swl: 0 Recov wl: Yield: 15 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: OWNER Lic no: Not Reported Comp date: 10-MAY-63 Pws id: Not Reported

Gwsi id: Not Reported Data sour: GW2 Wqdata: N Hydrograph: N

Site id: MTG50000002673

N67 NNE MT WELLS MTG50000001504

1/4 - 1/2 Mile

Lower

Mnumber: 11499
Dnrc no: Not Reported

Site name: LECHNER MARCUS J.

Latitude: 45.791206 Longitude: -108.496909 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:33Tract:Not ReportedCounty:YELLOWSTONEType:WELL

Tot dept: 22 Pwl: 7 Swl: 7 0 Recov wl: 3 Yield: Test type: **BAILER** Test dur: 0 Recov tm: 0 Drillset:

Who drill: ANDERSON DRILLING Lic no: Not Reported Comp date: 01-JUN-48 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000001504

N68 NNE MT WELLS MTG50000004264

NNE 1/4 - 1/2 Mile Lower

 Mnumber:
 11498

 Dnrc no:
 Not Reported

 Site name:
 BUFF JOHN B

 Latitude:
 45.791206

 Longitude:
 -108.496909

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E

 Isp sect:
 33
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 24 Pwl: 0 0 Swl: 0 Recov wl: Yield: 49 Test type: **PUMP** Test dur: 0 Recov tm: 0 Drillset:

Who drill: MCCRACKEN Lic no: Not Reported Comp date: 02-MAY-73 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000004264

N69 NNE MT WELLS MTG500000148898

Datum:

Range:

Tract:

Type:

NAD83

Not Reported

26E

WELL

1/4 - 1/2 Mile Lower

Site name: WASHINGTON CORP Latitude: 45.791206 Longitude: -108.496909

Geomethod: TRS-SEC
Township: 01N
Isp sect: 33

County: YELLOWSTONE
Tot dept: 22.5
Pwl: 0

 Swl:
 14

 Recov wl:
 0

 Yield:
 0

 Test type:
 OTHER

 Test dur:
 0

 Recov tm:
 0

Recov tm: 0
Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: WWC344
Comp date: 07-AUG-01 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000148898

N70 NNE MT WELLS MTG500000148837

1/4 - 1/2 Mile Lower

> Mnumber: 191375 Dnrc no: Not Reported

Site name: WASHINGTON CORP

Latitude: 45.791206 Longitude: -108.496909 Geomethod: TRS-SEC

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E

 Isp sect:
 33
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 22.5 Pwl: 0 Swl: 13.9 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: MAXIM TECHNOLOGIES Lic no: WWC344
Comp date: 07-AUG-01 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000148837

N71 NNE MT WELLS MTG500000110600

1/4 - 1/2 Mile Lower

Mnumber: 140976
Dnrc no: Not Reported
Site name: KOCH MATERIALS
Latitude: 45.791206
Longitude: -108.496909

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: Not Reported 33 YELLOWSTONE WELL County: Type:

Tot dept: 19 Pwl: 0 Swl: 8 0 Recov wl: 20 Yield: AIR Test type: Test dur: 5 Recov tm: 0

Drillset: 0

Who drill: MAYES DRILLING INC Lic no: WWC500 Comp date: 28-MAY-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000110600

O72 NW MT WELLS MTG50000003957

NW 1/4 - 1/2 Mile Higher

Drillset:

Mnumber: 11505
Dnrc no: Not Reported

Site name: BJORNSON WILLIAM

0

Latitude: 45.790296 Longitude: -108.503442 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 CBA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 22
Pwl: 22

 Swl:
 12

 Recov wl:
 0

 Yield:
 12

 Test type:
 PUMP

 Test dur:
 2

 Recov tm:
 0

Who drill: Not Reported Lic no: Not Reported Comp date: 16-JUL-73 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG50000003957

O73 NW MT WELLS MTG50000003958

Datum:

Range:

Tract:

Type:

NAD83

26E

CBA

WELL

1/4 - 1/2 Mile Higher

Mnumber: 11506
Dnrc no: Not Reported
Site name: SOLBERG BJARNE

 Latitude:
 45.790296

 Longitude:
 -108.503442

 Geomethod:
 TRS-SEC

 Township:
 01N

Isp sect: 33
County: YELLOWSTONE

Tot dept: 25 Pwl: 24 Swl: 12 Recov wl: 0 20 Yield: **PUMP** Test type: Test dur: 2 0 Recov tm: Drillset: 0

Who drill:Not ReportedLic no:Not ReportedComp date:17-JUL-73Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000003958

74 NW MT WELLS MTG500000001230

1/4 - 1/2 Mile Higher

> Mnumber: 11504 Dnrc no: Not Reported

Site name: HUTZENBILER KARL J.

Latitude: 45.789386 Longitude: -108.504749

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: СВ 33 County: YELLOWSTONE WELL Type:

Tot dept: 22 Pwl: 22 12 Swl: Recov wl: 0 Yield: 25 Test type: **PUMP** Test dur: 2 0 Recov tm: Drillset: 0

Who drill: Not Reported Lic no: Not Reported Comp date: 13-JUL-73 Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000001230

MT WELLS MTD50000001215

1/4 - 1/2 Mile Lower

> MT0003996 Sourceid: **SWP** Pwsid: Class: С Sourcetype: Purchased

Primryname: Yellowstone Ice and Water

Sourcename: Billings, City of

Billings County: Yellowstone City:

61 Respopul: Nrespopul: 43 Latdd: 45.7911 Longdd: -108.4951 Objectid: 28525

Site id: MTD500000001215

76 WSW

1/4 - 1/2 Mile Higher

MT WELLS MTG500000117608

Mnumber: 150474 Not Reported Dnrc no: Site name: **TUTT JEFF** 45.783614 Latitude: -108.505418 Longitude:

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: BAAA County: YELLOWSTONE WELL Type:

Tot dept: 78 73 Pwl: Swl: 11 Recov wl: 0 25 Yield: Test type: **PUMP** Test dur: 4 Recov tm: 0 Drillset: 0

AMERICAN DRILLING & SUPPLYLic no: **WWC344** Who drill: Comp date: 22-JUN-93 Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

MTG500000117608 Site id:

South 1/4 - 1/2 Mile Higher

MTG500000104253 MT WELLS

Mnumber: 133407 Dnrc no: Not Reported

Site name: WILSON DUNHAM * MW-2

Latitude: 45.780919 Longitude: -108.500061 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:3Tract:ABDDCounty:YELLOWSTONEType:WELL

Tot dept: 19.5 Pwl: 0 Swl: 13 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: Not Reported Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000104253

P78 South MT WELLS MTG500000103920

1/4 - 1/2 Mile Higher

> Mnumber: 133391 Dnrc no: Not Reported

Site name: WILSON DUNHAM * MW-3

Latitude: 45.780919 Longitude: -108.500061 Geomethod: TRS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: Isp sect: Tract: ABDD 3 County: YELLOWSTONE WELL Type:

Tot dept: 19.5 Pwl: 0 Swl: 12 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: WHN/EWC (BHAX) Lic no: Not Reported Comp date: 13-OCT-92 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000103920

P79 South 1/4 - 1/2 Mile Higher

MT WELLS MTG500000195990

254125 Mnumber: Dnrc no: Not Reported

WILSON DUNHAM SERVICE STATION Site name:

45.780919 Latitude: -108.500061 Longitude:

MAP NAD83 Geomethod: Datum: Township: 01S Range: 26E Isp sect: Tract: **BBDD** YELLOWSTONE WELL County: Type:

Tot dept: 19.5 Pwl: 0 Swl: 13 Recov wl: 0 Yield: 0

Test type: Not Reported

Test dur: 0 Recov tm: 0 Drillset: 0

MWC404 Who drill: TETRA TECH Lic no: 13-OCT-92 Comp date: Pws id: Not Reported Gwsi id: Not Reported Data sour: **DRILLERWEB**

Wqdata: Hydrograph: Ν

MTG500000195990 Site id:

P80 MT WELLS MTG500000104254 South 1/4 - 1/2 Mile

Higher

Mnumber: 133421 Dnrc no: Not Reported

WILSON DUNHAM * MW-1 Site name:

Latitude: 45.780919 Longitude: -108.500061 Geomethod: TRS-SEC

NAD83 Datum: Township: 01S 26E Range: Isp sect: Tract: ABDD 3 County: YELLOWSTONE WELL Type:

Tot dept: 20 Pwl: 0 10.9 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: Not Reported Not Reported Lic no: Comp date: 13-OCT-92 Pws id: Not Reported

Not Reported LOG Gwsi id: Data sour: Wqdata: Ν Ν Hydrograph:

MTG500000104254 Site id:

SE 1/4 - 1/2 Mile

Q81

Lower

MTG500000100152 MT WELLS

129317 Mnumber: Dnrc no: Not Reported

BILLINGS REFINERY * R-35 Site name:

45.781889 Latitude: -108.493873 Longitude: TRS-SEC

NAD83 Geomethod: Datum: Township: 01S Range: 26E Isp sect: Tract: **BBCBB** YELLOWSTONE WELL County: Type:

Tot dept: 20.4 Pwl: 0 Swl: 12 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING IN Cic no: Not Reported 11-MAR-91 Not Reported Comp date: Pws id: Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000100152 Site id:

Q82 MT WELLS MTG500000100153

1/4 - 1/2 Mile Lower

> Mnumber: 129319 Dnrc no: Not Reported

BILLINGS REFINERY * R-24 Site name:

45.781889 Latitude: Longitude: -108.493873

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: Isp sect: **BBCBB** Tract: County: YELLOWSTONE WELL Type:

Tot dept: 19.5 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: **BRAUN** Not Reported Lic no: Comp date: 22-SEP-88 Pws id: Not Reported

Not Reported LOG Gwsi id: Data sour: Wqdata: Ν Ν Hydrograph:

MTG500000100153 Site id:

SE 1/4 - 1/2 Mile

Q83

Lower

MT WELLS MTG500000102876

Mnumber: 129318 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * BW-1

Latitude: 45.781889 Longitude: -108.493873

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BBCBB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 33 Pwl: 0 Swl: 9 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INŒic no: Not Reported Comp date: 27-MAR-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000102876

P84 South MT WELLS MTG500000195742

1/4 - 1/2 Mile Higher

Mnumber: 254119
Dnrc no: Not Reported

Site name: WILSON DUNHAM SERVICE STATION

Latitude: 45.7808 Longitude: -108.500061

NAD83 Geomethod: MAP Datum: Township: 01S 26E Range: Isp sect: ABDD 3 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 20
Pwl: 0
Swl: 10.9
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:TETRA TECHLic no:MWC404Comp date:13-OCT-92Pws id:Not ReportedGwsi id:Not ReportedData sour:DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000195742

R85 North 1/4 - 1/2 Mile Lower

MT WELLS MTG50000003670

Mnumber: 11502 Dnrc no: Not Reported

Site name: SCHOOL DISTRICT #2 (NORTH PARK SCHOOL)

Latitude: 45.792116 Longitude: -108.498216 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:33Tract:BDDCounty:YELLOWSTONEType:WELL

Tot dept: 31 Pwl: 17.2 Swl: 13 Recov wl: 0 Yield: 40 PUMP Test type: Test dur: 8 Recov tm: 0 Drillset: 0

Who drill:DAVIS DRILLINGLic no:WWC326Comp date:25-AUG-83Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000003670

R86
North MT WELLS MTG500000151828

1/4 - 1/2 Mile Lower

> Mnumber: 198253 Dnrc no: Not Reported

Site name: MODERN MACHINERY

Latitude: 45.792116 Longitude: -108.498216 Geomethod: TPS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: BDD 33 County: YELLOWSTONE WELL Type:

Tot dept: 22 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HANSEN ENVIRONMENTAL DRILIDING: MWC230
Comp date: 22-MAR-02 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000151828

S87 East 1/4 - 1/2 Mile Lower

MT WELLS MTG500000139438

Mnumber: 177381
Dnrc no: Not Reported
Site name: CONOCO
Latitude: 45.786656
Longitude: -108.490376
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 DDB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 20.5 Pwl: 0 Swl: 10.25 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: PRO PUMP & EQUIPMENT INC Lic no: WWC508
Comp date: 24-JUN-99 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG
Wqdata: N Hydrograph: N

Site id: MTG500000139438

\$88 East MT WELLS MTG500000142057

1/4 - 1/2 Mile Lower

Mnumber: 181411
Dnrc no: Not Reported
Site name: CONOCO INC
Latitude: 45.786656
Longitude: -108.490376

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: DDB 33 County: YELLOWSTONE WELL Type:

Tot dept: 0 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: PRO PUMP & EQUIPMENT INC Lic no: WWC508
Comp date: 15-OCT-99 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000142057

ESE 1/4 - 1/2 Mile Lower

Mnumber: 181040
Dnrc no: Not Reported
Site name: SUNWALL BRUCE

Latitude: 45.784837 Longitude: -108.490376 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 DDC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 72 Pwl: 38 Swl: 18 Recov wl: 18 Yield: 25 Test type: PUMP Test dur: 4 Recov tm: Drillset: 0

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344
Comp date: 26-JAN-00 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG
Wqdata: N Hydrograph: N

Wqdata: N Site id: MTG500000157186

90 NNE MT WELLS MTG50000002457

1/4 - 1/2 Mile Lower

Mnumber: 11500
Dnrc no: Not Reported
Site name: WAGNER CARL
Latitude: 45.792116
Longitude: -108.495602

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: ACC 33 County: YELLOWSTONE WELL Type:

Tot dept: 20.17 Pwl: 10 9 Swl: 0 Recov wl: 55 Yield: Test type: **PUMP** Test dur: 4 Recov tm: 0 Drillset: 0

Who drill: Not Reported Lic no: Not Reported Comp date: 19-MAR-73 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000002457

P91 South 1/4 - 1/2 Mile Higher

Mnumber: 222943
Dnrc no: Not Reported
Site name: PEERING CLINIC

Latitude: 45.78002 Longitude: -108.500061

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 3
 Tract:
 ACAA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 40 Pwl: 0 Swl: 18.21 Recov wl: 18.21 Yield: 48 Test type: AIR Test dur: 2.5 Recov tm: .58 Drillset: 38

Who drill: A1 Lic no: MWC532 Comp date: 27-AUG-05 Pws id: MVC532 Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000175077

T92
North MT WELLS MTG500000174152

1/4 - 1/2 Mile Higher

Mnumber: 222061

Dnrc no: Not Reported
Site name: TOWN PUMP

Latitude: 45.793025

Longitude: -108.499522

Geomethod: TRS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: BD 33 County: YELLOWSTONE WELL Type:

Tot dept: 20 Pwl: 0 13.5 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 04-OCT-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000174152

T93 North 1/4 - 1/2 Mile Higher

Mnumber: 191179
Dnrc no: Not Reported

Site name: WASHINGTON CORP. (MODERN MACHINERY)

Latitude: 45.793025 Longitude: -108.499522 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 BD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 22.5
Pwl: 0
Swl: 13.9
Recov wl: 0
Yield: 0
Test type: OTHER
Test dur: 0
Recov tm: 0

 Drillset:
 0

 Who drill:
 MAXIM TECHNOLOGIES
 Lic no:
 MWC344

 Comp date:
 07-AUG-01
 Pws id:
 Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000147780

U94 East MT WELLS MTG500000159761

1/4 - 1/2 Mile Lower

Mnumber: 205502
Dnrc no: Not Reported
Site name: PELICAN CONNIE

Latitude: 45.785746
Longitude: -108.489069
Geomethod: TRS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: DD 33 County: YELLOWSTONE WELL Type:

Tot dept: 20.5 Pwl: 0 Swl: 11 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 26-AUG-03 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000159761

East 1/4 - 1/2 Mile Lower

U95

Mnumber: 204929
Dnrc no: Not Reported
Site name: PELICAN CONNIE

Latitude: 45.785746 Longitude: -108.489069 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 DD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 20.5 Pwl: 0 Swl: 10 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill:HAZ TECH DRILLING INCLic no:MWC344Comp date:26-AUG-03Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000168948

U96 East MT WELLS MTG500000159705

1/4 - 1/2 Mile Lower

Mnumber: 204930
Dnrc no: Not Reported
Site name: PELICAN CONNIE

Latitude: 45.785746
Longitude: -108.489069
Geomethod: TRS-SEC

NAD83 Datum: Township: 01N 26E Range: Isp sect: Tract: DD 33 County: YELLOWSTONE WELL Type: Tot dept: 20.5

Pwl: 0
Swl: 12
Recov wl: 0
Yield: 0
Test type: OTHER
Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 25-AUG-03 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000159705

U97 East 1/4 - 1/2 Mile Lower

Mnumber: 204925
Dnrc no: Not Reported
Site name: PELICAN CONNIE

Latitude: 45.785746 Longitude: -108.489069 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 DD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 20.5
Pwl: 0
Swl: 10
Recov wl: 0
Yield: 0
Test type: OTHER
Test dur: 0
Recov tm: 0

 Drillset:
 0

 Who drill:
 HAZ TECH DRILLING INC
 Lic no:
 MWC344

 Comp date:
 25-AUG-03
 Pws id:
 Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000159429

U98
East MT WELLS MTG500000159676

1/4 - 1/2 Mile Lower

Mnumber: 204928
Dnrc no: Not Reported
Site name: PELICAN CONNIE

Latitude: 45.785746
Longitude: -108.489069
Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:33Tract:DDCounty:YELLOWSTONEType:WELL

Tot dept: 20.5 Pwl: 0 12 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 26-AUG-03 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000159676

V99 West 1/4 - 1/2 Mile Higher

Mnumber: 266567
Dnrc no: Not Reported

Site name: HURT, LEE AND MARY LOU

Latitude: 45.786731 Longitude: -108.50857

TRS-SEC NAD83 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 32 Tract: DDA YELLOWSTONE WELL County: Type:

Tot dept: 26 Pwl: 0 Swl: 14 Recov wl: 14 Yield: 33 **PUMP** Test type: Test dur: 6 Recov tm: .25 Drillset:

Who drill: PRO PUMP & EQUIPMENT INC Lic no: WWC508
Comp date: 24-MAY-12 Pws id: Not Reported
Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000204104

100 WSW MT WELLS MTG500000002672

1/4 - 1/2 Mile Higher

Mnumber: 11495
Dnrc no: Not Reported
Site name: BILLINGS GAZETTE

Latitude: 45.784923 Longitude: -108.508571

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: DDD 32 County: YELLOWSTONE WELL Type:

Tot dept: 29 Pwl: 21 Swl: 16 0 Recov wl: 40 Yield: Test type: **OTHER** Test dur: 5 Recov tm: 0 Drillset: 0

Who drill: DAVIS DRILLING Lic no: WWC326
Comp date: 25-JUN-82 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000002672

101 ESE 1/4 - 1/2 Mile Lower

93611 Mnumber: Dnrc no: Not Reported

BILLINGS REFINERY * R-32 Site name:

45.783034 Latitude: -108.489562 Longitude: TRS-SEC Geomethod:

NAD83 Datum: Township: 01S Range: 26E Isp sect: Tract: BBA YELLOWSTONE WELL County: Type:

Tot dept: 19 Pwl: 0 Swl: 9 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: Drillset:

WWC508 Who drill: ADVANCED WELL DRILLING IN Cic no: 04-JAN-90 Not Reported Comp date: Pws id: Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000078086 Site id:

W102 MT WELLS MTG500000121359 NNE

1/2 - 1 Mile Lower

> Mnumber: 154382 Dnrc no: Not Reported TOWN PUMP Site name: 45.793025 Latitude: Longitude: -108.494295

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: AC 33 County: YELLOWSTONE WELL Type:

Tot dept: 20 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HANSEN ENVIRONMENTAL DRILIGING MWC230 Comp date: 12-DEC-95 Pws id: Not Reported

LOG Gwsi id: Not Reported Data sour: Wqdata: Ν Ν Hydrograph:

MTG500000121359 Site id:

W103 NNE 1/2 - 1 Mile Lower

Mnumber: 154385
Dnrc no: Not Reported
Site name: TOWN PUMP
Latitude: 45.793025
Longitude: -108.494295
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 AC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 21 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: HANSEN ENVIRONMENTAL DRI**Lid NG** MWC230
Comp date: 13-DEC-95 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000121459

W104 NNE MT WELLS MTG500000120339

1/2 - 1 Mile Lower

 Mnumber:
 154330

 Dnrc no:
 Not Reported

 Site name:
 TOWN PUMP

 Latitude:
 45.793025

 Longitude:
 -108.494295

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: AC 33 County: YELLOWSTONE WELL Type:

Tot dept: 22 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HANSEN ENVIRONMENTAL DRI**Lid NG** MWC230
Comp date: 12-DEC-95 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000120339

W105 NNE 1/2 - 1 Mile Lower

Mnumber: 154379
Dnrc no: Not Reported
Site name: TOWN PUMP
Latitude: 45.793025
Longitude: -108.494295
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 AC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 21 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: Drillset:

Who drill: HANSEN ENVIRONMENTAL DRI**Lid NG** MWC230
Comp date: 31-JAN-96 Pws id: Not Reported
Gwei id: Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000120344

W106
NNE MT WELLS MTG500000123316

1/2 - 1 Mile Lower

Mnumber: 157757
Dnrc no: Not Reported

Site name: TOWN PUMP BILLINGS

Latitude: 45.793025 Longitude: -108.494295 Geomethod: TRS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: AC 33 County: YELLOWSTONE WELL Type: Tot dept: 13.5

Pwl: 0
Swl: 0
Recov wl: 0
Yield: 0
Test type: OTHER
Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HANSEN ENVIRONMENTAL DRILIDING: MWC230
Comp date: 26-JUN-96 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000123316

W107 NNE 1/2 - 1 Mile Lower

Mnumber: 171819
Dnrc no: Not Reported

Site name: TOWN PUMP BILLINGS

Latitude: 45.793025 Longitude: -108.494295 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 AC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 22 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: Drillset:

Who drill: HANSEN ENVIRONMENTAL DRI**Lid NG** MWC230
Comp date: 28-APR-98 Pws id: Not Reported

Out id: Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000134764

W108
NNE

MT WELLS

MTG500000139881

1/2 - 1 Mile Lower

> Mnumber: 174981 Dnrc no: Not Reported

Site name: TOWN PUMP BILLINGS

Latitude: 45.793025 Longitude: -108.494295

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: AC 33 County: YELLOWSTONE WELL Type: 25

Tot dept: Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HANSEN ENVIRONMENTAL DRI**Lid NG** MWC230
Comp date: 28-APR-98 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000139881

W109 NNE 1/2 - 1 Mile Lower

Mnumber: 171820 Dnrc no: Not Reported

Site name: TOWN PUMP BILLINGS

Latitude: 45.793025 Longitude: -108.494295 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 AC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 22 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: Drillset: 0

Who drill: HANSEN ENVIRONMENTAL DRI**Lid NG** MWC230
Comp date: 28-APR-98 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Wigdata: Not Reported Data sour: LC Wigdata: N Hydrograph: N

Site id: MTG500000134311

W110
NNE MT WELLS MTG500000123734

1/2 - 1 Mile Lower

> Mnumber: 157758 Dnrc no: Not Reported

Site name: TOWN PUMP BILLINGS

Latitude: 45.793025 Longitude: -108.494295 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 AC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 13.5 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HANSEN ENVIRONMENTAL DRILIDING: MWC230
Comp date: 26-JUN-96 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000123734

W111 NNE 1/2 - 1 Mile Lower

Mnumber: 157759 Dnrc no: Not Reported

Site name: TOWN PUMP BILLINGS

Latitude: 45.793025 Longitude: -108.494295 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 AC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 13.5 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: Drillset:

Who drill: HANSEN ENVIRONMENTAL DRI**LidNG** MWC230
Comp date: 26-JUN-96 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Wqdata: N Site id: MTG500000123770

W112 NNE MT WELLS MTG500000177582

Hydrograph:

Ν

NNE 1/2 - 1 Mile Lower

Mnumber: 228979
Dnrc no: Not Reported
Site name: STOCKTON OIL CO.

Latitude: 45.793026 Longitude: -108.494296

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: AC 33 County: YELLOWSTONE WELL Type:

Tot dept: 20 Pwl: 0 Swl: 13 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 11-SEP-06 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000177582

X113 ENE 1/2 - 1 Mile Lower

Mnumber: 271715 Dnrc no: Not Reported

Site name: PERMIER HOLDINGS

Latitude: 45.79025 Longitude: -108.489583 Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 WGS84

 Township:
 01N
 Range:
 26E

 Isp sect:
 33
 Tract:
 DA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 18
Pwl: 0
Swl: 11
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 01-FEB-13 Pws id: Not Reported
Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000206369

V114
West MT WELLS MTG500000206371

1/2 - 1 Mile Higher

Mnumber: 271722
Dnrc no: Not Reported
Site name: GM PETROLEUM

Latitude: 45.787
Longitude: -108.509167
Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 WGS84

 Township:
 01N
 Range:
 26E

 Isp sect:
 32
 Tract:
 DA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 20
Pwl: 0
Swl: 13
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:HAZ TECH DRILLING INCLic no:MWC435Comp date:11-FEB-13Pws id:Not ReportedGwsi id:Not ReportedData sour:DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000206371

V115 West 1/2 - 1 Mile Higher

Mnumber: 271720
Dnrc no: Not Reported
Site name: GM PETROLEUM
Latitude: 45.787111

Latitude: 45.78/111 Longitude: -108.50925

NAV-GPS WGS84 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 32 Tract: DA YELLOWSTONE WELL County: Type:

 Tot dept:
 20

 Pwl:
 0

 Swl:
 13

 Recov wl:
 0

 Yield:
 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 11-FEB-13 Pws id: Not Reported
Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000206370

X116
ENE MT WELLS MTG500000206368

1/2 - 1 Mile Lower

> Mnumber: 271713 Dnrc no: Not Reported

Site name: PREMIER HOLDINGS

Latitude: 45.790278 Longitude: -108.489417 Geomethod: NAV-GPS

WGS84 Geomethod: **NAV-GPS** Datum: Township: 01N 26E Range: Isp sect: 33 Tract: DA County: YELLOWSTONE WELL Type:

Tot dept: 18
Pwl: 0
Swl: 11
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 01-FEB-13 Pws id: Not Reported
Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000206368

ESE 1/2 - 1 Mile Lower

Mnumber: 129568
Dnrc no: Not Reported
Site name: BILLINGS REFINERY

Latitude: 45.784836 Longitude: -108.487762

TRS-SEC NAD83 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 33 Tract: DDD WELL YELLOWSTONE County: Type:

Tot dept: 22 Pwl: 0 Swl: 10.5 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: 12-MAR-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG

Wqdata: Not Reported Data sour: LC Wqdata: N Hydrograph: N

Site id: MTG500000100655

118 South MT WELLS MTG500000074373

1/2 - 1 Mile Lower

Mnumber: 93638
Dnrc no: Not Reported

Site name: YOUTH SERVICE CENTER

Latitude: 45.778673 Longitude: -108.496713

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: Isp sect: Tract: ΑD 3 County: YELLOWSTONE WELL Type:

Tot dept: 26 Pwl: 0 10 Swl: 0 Recov wl: Yield: 24 Test type: **PUMP** Test dur: 4 Recov tm: 0 Drillset: 0

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344
Comp date: 27-APR-89 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000074373

Y119 West 1/2 - 1 Mile Higher

Mnumber: 144348
Dnrc no: Not Reported

Site name: SCHOOL DISTRICT #2 * LINCOLN SCHOOL

Latitude: 45.785827 Longitude: -108.509875 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 32
 Tract:
 DD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 26 Pwl: 0 Swl: 18 Recov wl: 0 Yield: 30 PUMP Test type: Test dur: 6 Recov tm: 0 Drillset: 0

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344
Comp date: 11-NOV-88 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000111950

Y120 West MT WELLS MTG500000179949

1/2 - 1 Mile Higher

Mnumber: 231331
Dnrc no: Not Reported
Site name: G.M. PETROLEUM

Latitude: 45.785826
Longitude: -108.509875
Geomethod: TPS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: DD 32 County: YELLOWSTONE WELL Type:

Tot dept: 18
Pwl: 0
Swl: 12
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 16-NOV-06 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000179949

Y121 West 1/2 - 1 Mile Higher

Mnumber: 231332
Dnrc no: Not Reported
Site name: G.M. PETROLEUM

Latitude: 45.785826 Longitude: -108.509875 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 32
 Tract:
 DD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 18
Pwl: 0
Swl: 12
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 16-NOV-06 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Site id: MTG500000181176

Y122
West MT WELLS MTG500000179950

Hydrograph:

Ν

1/2 - 1 Mile Higher

Wqdata:

Mnumber: 231333
Dnrc no: Not Reported
Site name: G.M. PETROLEUM

Latitude: 45.785826
Longitude: -108.509875
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 32
 Tract:
 DD

 County:
 YELLOWSTONE
 Type:
 WELL

 Tot dept:
 18

Tot dept: 18
Pwl: 0
Swl: 12
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 16-NOV-06 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000179950

123 SE 1/2 - 1 Mile Lower

Mnumber: 93613 Dnrc no: Not Reported

Site name: BILLINGS REFINERY *R-29

Latitude: 45.779828 Longitude: -108.491913 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BCBA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 23 Pwl: 0 Swl: 9 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING IN Cic no: WWC508
Comp date: 02-JAN-90 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG
Wqdata: N Hydrograph: N

Site id: MTG500000076669

Z124

SW 1/2 - 1 Mile Higher

1/2 - 1 Mile

Pwsid: MT0004175 Sourceid: SWP Class: C Sourcetype: Purchased

Primryname: Mountain Mudd Water Truck

Sourcename: Billings, City of

City: Billings County: Yellowstone

 Respopul:
 25

 Nrespopul:
 0

 Latdd:
 45.78054

 Longdd:
 -108.50658

 Objectid:
 28621

Site id: MTD500000001311

125 SSW MT WELLS MTG500000190081

Higher

Mnumber: 246769

Dnrc no: C30042974

 Dnrc no:
 C30042974

 Site name:
 WAGNER MIKE

 Latitude:
 45.778673

 Longitude:
 -108.50207

 Geomethod:
 TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 3
 Tract:
 AC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 28

MT WELLS

MTD50000001311

Pwl: 0 Swl: 16 Recov wl: 16 Yield: 30 Test type: AIR Test dur: 2 Recov tm: 1 Drillset: 26

AMERICAN DRILLING & SUPPLYLic no: WWC344 Who drill: 01-JUL-08 Not Reported Comp date: Pws id:

Not Reported LOG Gwsi id: Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000190081

Z126 SW 1/2 - 1 Mile MT WELLS MTD500000002891

Higher

Pwsid: MT0004032 Sourceid: **SWP** Class: NC Sourcetype: Purchased

Mountain Mudd Primryname: Sourcename: Billings, City of

Billings City: County: Yellowstone

Respopul: 0 Nrespopul: 25 Latdd: 45.7805 Longdd: -108.5066 Objectid: 30201

Site id: MTD500000002891

AA127 SSW MT WELLS MTG500000207311

1/2 - 1 Mile Higher

> 274513 Mnumber: Dnrc no: Not Reported

Site name: WESTON'S SERVICE AND REPAIR

Latitude: 45.778778 Longitude: -108.504583

Geomethod: NAV-GPS Datum: WGS84 Township: 01S Range: 26E Isp sect: Tract: AC YELLOWSTONE County: Type: WELL

Tot dept: 25 0 Pwl: Swl: 15.5 Recov wl: 0 Yield: 0

Test type: Not Reported

Test dur: 0 Recov tm: Drillset:

HAZ TECH DRILLING INC Lic no: MWC435 Who drill: 16-JUL-13 Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000207311

128 SE MT WELLS MTG500000114419

1/2 - 1 Mile Lower

Mnumber: 147355
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-42

Latitude: 45.781431 Longitude: -108.488387 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:2Tract:BBDADCounty:YELLOWSTONEType:WELL

Tot dept: 19.5 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: ESD INC Lic no: Not Reported Comp date: 05-AUG-94 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000114419

AB129 SSE MT WELLS MTG500000100571

SSE 1/2 - 1 Mile Lower

Mnumber: 129331
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R7-WC

Latitude: 45.778226 Longitude: -108.493873

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E вссвв Isp sect: 2 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 15.9 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: NORTHERN Lic no: Not Reported Comp date: 15-AUG-84 Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000100571

AC130 SSE 1/2 - 1 Mile MT WELLS MTG500000142208

Lower

179449 Mnumber: Dnrc no: Not Reported

Site name: EASTLICK GD * MW-3

Latitude: 45.777774 Longitude: -108.495374 Geomethod: TRS-SEC

NAD83 Datum: Township: 01S Range: 26E Isp sect: ADD 3 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 14 Pwl: 0 Swl: 0 Recov wl: 0 0 Yield: **OTHER** Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: HANSEN ENVIRONMENTAL DRILIDING WWC230 07-DEC-99 Not Reported Comp date: Pws id:

Gwsi id: Not Reported Data sour: LOG Wqdata: Ν Hydrograph: Ν

MTG500000142208 Site id:

AC131 SSE 1/2 - 1 Mile MT WELLS MTG500000142209

Lower

Mnumber: 179450 Dnrc no: Not Reported

EASTLICK GD * MW-4 Site name:

Latitude: 45.777774 Longitude: -108.495374

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: ADD 3 YELLOWSTONE WELL County: Type:

Tot dept: 14 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: HANSEN ENVIRONMENTAL DRILIDING WWC230 07-DEC-99 Comp date: Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000142209

AC132 SSE 1/2 - 1 Mile MT WELLS MTG500000140710

Lower

179451 Mnumber: Dnrc no: Not Reported

Site name: EASTLICK GD * MW-5

Latitude: 45.777774 Longitude: -108.495374 Geomethod: TRS-SEC

NAD83 Datum: Township: 01S Range: 26E Isp sect: ADD 3 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 14 Pwl: 0 Swl: 0 Recov wl: 0 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: HANSEN ENVIRONMENTAL DRILIDING WWC230 07-DEC-99 Not Reported Comp date: Pws id:

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000140710 Site id:

AC133 MT WELLS MTG500000139326

SSE 1/2 - 1 Mile Lower

> Mnumber: 179447 Dnrc no: Not Reported

EASTLICK GD * MW-1 Site name:

Latitude: 45.777774 Longitude: -108.495374

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: ADD 3 YELLOWSTONE WELL County: Type:

Tot dept: 14 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: HANSEN ENVIRONMENTAL DRILIDING WWC230 07-DEC-99 Comp date: Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000139326

AC134 SSE 1/2 - 1 Mile MT WELLS MTG500000139327

Lower

179448 Mnumber: Dnrc no: Not Reported

Site name: EASTLICK GD * MW-2 Latitude:

45.777774 Longitude: -108.495374 Geomethod: TRS-SEC

NAD83 Datum: Township: 01S Range: 26E Isp sect: ADD 3 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 14 Pwl: 0 Swl: 0 Recov wl: 0 0 Yield: **OTHER** Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: HANSEN ENVIRONMENTAL DRILIDING WWC230 07-DEC-99 Not Reported Comp date: Pws id:

Gwsi id: Not Reported Data sour: LOG Wqdata: Ν Hydrograph: Ν

MTG500000139327 Site id:

AA135 SSW 1/2 - 1 Mile MT WELLS MTG500000207443

Higher

Mnumber: 274514 Dnrc no: Not Reported

WESTON'S SERVICE AND REPAIR Site name:

Latitude: 45.778583 Longitude: -108.504833

Geomethod: NAV-GPS Datum: WGS84 Township: 01S Range: 26E Isp sect: Tract: AC 3 YELLOWSTONE WELL County: Type:

Tot dept: 25 Pwl: 0 15 Swl: Recov wl: 0 Yield: 0

Test type: Not Reported

Test dur: 0 Recov tm: 0 Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC435 Comp date: 16-JUL-13 Pws id: Not Reported

Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000207443

AD136 SE MT WELLS MTG50000078087

1/2 - 1 Mile Lower

> Mnumber: 93612 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-28

Latitude: 45.779142 Longitude: -108.490738

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E BCACB Isp sect: 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 21 Pwl: 0 Swl: 7 0 Recov wl: 0 Yield: **OTHER** Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill:ADVANCED WELL DRILLING INCic no:WWC508Comp date:03-JAN-90Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000078087

AB137 SSE MT WELLS MTG50000100488

SSE 1/2 - 1 Mile Lower

Mnumber: 129329
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R1-W

Latitude: 45.777997 Longitude: -108.493481

Geomethod: TRS-SEC Datum: NAD83 26E Township: 01S Range: Isp sect: Tract: **BCCB** 2 YELLOWSTONE WELL County: Type:

Tot dept: 17 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: DAVIS DRILLING Lic no: Not Reported Comp date: 08-JAN-82 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000100488

138
ENE MT WELLS MTG500000145554

1/2 - 1 Mile Lower

Mnumber: 187033
Dnrc no: Not Reported
Site name: CONOCO
Latitude: 45.7883
Longitude: -108.4858

Geomethod: NAV-GPS Datum: NAD83 Township: 01S Range: 26E Isp sect: BA 11 Tract: YELLOWSTONE WELL County: Type:

Tot dept: 22 Pwl: 9.3 Swl: 7.2 Recov wl: 9.2 85 Yield: Test type: PUMP Test dur: 3 Recov tm: .25 Drillset:

Who drill:PRO PUMP & EQUIPMENT INC Lic no:WWC508Comp date:23-JUN-00Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000145554

AE139
ESE MT WELLS MTG50000074825

ESE 1/2 - 1 Mile Lower

> Mnumber: 93609 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-27

Latitude: 45.783034 Longitude: -108.486427

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: BAB YELLOWSTONE WELL County: Type:

Tot dept: 21 Pwl: 0 7 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: ADVANCED WELL DRILLING INCic no: WWC508
Comp date: 29-DEC-89 Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000074825

AE140 ESE 1/2 - 1 Mile MT WELLS MTG500000074399

Lower

93610 Mnumber: Dnrc no: Not Reported

Site name: **BILLINGS REFINERY * R-31**

Latitude: 45.783034 Longitude: -108.486427

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: BAB 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 18 Pwl: 0 Swl: 5 0 Recov wl: 0 Yield: **OTHER** Test type: Test dur: 0 Recov tm: 0 Drillset:

WWC508 Who drill: ADVANCED WELL DRILLING IN Cic no: 04-JAN-90 Not Reported Comp date: Pws id:

Gwsi id: Not Reported Data sour: LOG Wqdata: Ν Hydrograph: Ν

MTG500000074399 Site id:

141 MT WELLS MTG500000155400

SSW 1/2 - 1 Mile Higher

> Mnumber: 200669 Dnrc no: Not Reported

HOUSING AUTHORITY OF BILLINGS Site name:

Latitude: 45.777774 Longitude: -108.50341

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: ACC 3 YELLOWSTONE WELL County: Type:

Tot dept: 28 Pwl: 0 Swl: 18.2 Recov wl: 0 Yield: 30 Test type: AIR Test dur: 2 0 Recov tm: Drillset: 29

Who drill: MAYES DRILLING INC Lic no: WWC500 05-DEC-02 Comp date: Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000155400

AF142 NE MT WELLS MTG500000095323

1/2 - 1 Mile Lower

> 122061 Mnumber: Dnrc no: Not Reported

Site name: PETES AUTOMATIC TRANSMISSION

Latitude: 45.793025 Longitude: -108.489069

Geomethod: TRS-SEC NAD83 Datum: Township: 01N Range: 26E Isp sect: AD 33 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 19 Pwl: 0 Swl: 8 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: **BRAUN** Lic no: MWC154 05-FEB-90 Pws id: Not Reported Comp date:

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000095323 Site id:

MT WELLS MTG500000001505

AF143 NE 1/2 - 1 Mile Lower

> Mnumber: 11501 Dnrc no: Not Reported PARSHALL HUGH P. Site name:

Latitude: 45.793026 Longitude: -108.489069

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: AD 33 YELLOWSTONE WELL County: Type:

Tot dept: 20 Pwl: 0 12 Swl: Recov wl: 0 Yield: 5 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: **UNKNOWN** Lic no: Not Reported Comp date: 01-JUL-61 Pws id: Not Reported

Gwsi id: GW4 Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000001505

AD144 SSE 1/2 - 1 Mile MT WELLS MTG500000102877

Lower

129320 Mnumber: Dnrc no: Not Reported

Site name: **BILLINGS REFINERY * R3-NC**

Latitude: 45.778455 Longitude: -108.49113

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: ВС 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 19 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: **DAVIS DRILLING** Lic no: Not Reported Comp date: 12-JAN-82 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000102877 Site id:

AD145 MT WELLS MTG500000102784

SSE 1/2 - 1 Mile Lower

> Mnumber: 129323 Dnrc no: Not Reported

BILLINGS REFINERY * R11-PN Site name:

Latitude: 45.778455 Longitude: -108.49113

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: ВС 2 YELLOWSTONE WELL County: Type:

Tot dept: 21.7 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: **NORTHERN** Lic no: Not Reported 20-AUG-84 Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000102784

AG146 SE MT WELLS MTG500000100546

1/2 - 1 Mile Lower

Mnumber: 129297
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R22-A

Latitude: 45.780286 Longitude: -108.487995 Geomethod: TRS-SEC

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: В 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 13 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 05-MAR-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100546

AG147 SE MT WELLS MTG500000100545

1/2 - 1 Mile Lower

> Mnumber: 129290 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R5-NNE

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 18 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: DAVIS DRILLING Lic no: Not Reported Comp date: 07-DEC-81 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000100545

AG148 SE MT WELLS MTG500000100531

1/2 - 1 Mile Lower

> Mnumber: 129296 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R21-A

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: В 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 12 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 05-MAR-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000100531

AG149 SE MT WELLS MTG500000101026

1/2 - 1 Mile Lower

> Mnumber: 130215 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-37

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 23 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: AMERICAN DRILLING & SUPPLYLic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000101026

AG150 SE MT WELLS MTG500000103091

1/2 - 1 Mile Lower

> Mnumber: 133270 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-11

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: В 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 21 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: ESD INC Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000103091

AG151 SE MT WELLS MTG500000102782

1/2 - 1 Mile Lower

Mnumber: 129298
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R22-B

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 13 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 05-MAR-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000102782

AG152 SE MT WELLS MTG500000101330

1/2 - 1 Mile Lower

> Mnumber: 130214 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-36

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: В 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 22.5 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: AMERICAN DRILLING & SUPPLYLic no: Not Reported Comp date: 22-AUG-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000101330

AG153 SE MT WELLS MTG50000100149

1/2 - 1 Mile Lower

Mnumber: 129287
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R5-B

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 12 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 04-MAR-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000100149

AG154
SE MT WELLS MTG50000099976

1/2 - 1 Mile Lower

Mnumber: 129299
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R24-A

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: В 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 12 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 05-MAR-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000099976

AG155 SE MT WELLS MTG50000099975

SE 1/2 - 1 Mile Lower

Mnumber: 129288
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R5-C

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 12 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 04-MAR-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000099975

AG156 SE MT WELLS MTG500000100483

1/2 - 1 Mile Lower

Mnumber: 129293
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R16-B

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: В 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 12 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: Y

Site id: MTG500000100483

AG157 SE MT WELLS MTG500000100530

SE 1/2 - 1 Mile Lower

Mnumber: 129295
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R24-B

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 12 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 05-MAR-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000100530

AG158 SE MT WELLS MTG500000100529

1/2 - 1 Mile Lower

> Mnumber: 129292 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R8-SW

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: В 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 22.5 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill:NORTHERNLic no:Not ReportedComp date:15-AUG-84Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000100529

AG159 SE MT WELLS MTG500000100484

SE 1/2 - 1 Mile Lower

Mnumber: 129294
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R16-C

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 12 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000100484

AG160 SE MT WELLS MTG500000103408

1/2 - 1 Mile Lower

> Mnumber: 133225 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-38

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: В 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 20 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: ESD INC Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000103408

AG161 SE MT WELLS MTG500000106100

1/2 - 1 Mile Lower

Mnumber: 133242
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-8

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 18.5 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000106100

AG162 SE MT WELLS MTG500000104237

1/2 - 1 Mile Lower

> Mnumber: 133240 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-6

Latitude: 45.780286 Longitude: -108.487995

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:2Tract:BCounty:YELLOWSTONEType:WELL

Tot dept: 17.5 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: ESD INC Lic no: Not Reported Comp date: 23-JUN-92 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000104237

AG163

1/2 - 1 Mile Lower

Mnumber: 133239
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-41

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В County: YELLOWSTONE WELL Type:

Tot dept: 29 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Who drill: ESD INC Lic no: Not Reported Comp date: Pws id: Not Reported

MT WELLS

MTG500000104236

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000104236

AG164
SE MT WELLS MTG500000106103

1/2 - 1 Mile Lower

Mnumber: 133269
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-10

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: В 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 24 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 0 Drillset:

Who drill: ESD INC Lic no: Not Reported Comp date: 29-JUN-92 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000106103

AG165 SE MT WELLS MTG500000125724

1/2 - 1 Mile Lower

> Mnumber: 160970 Dnrc no: Not Reported

Site name: UNIFIELD ENGINEERING INC

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 24 Pwl: 0 0 Swl: 0 Recov wl: Yield: 130 Test type: AIR Test dur: 3.5 Recov tm: 0 Drillset:

Who drill: PRO PUMP & EQUIPMENT INC Lic no: WWC532
Comp date: 28-JUL-94 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000125724

AG166 SE MT WELLS MTG500000106319

1/2 - 1 Mile Lower

Mnumber: 133367
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-14

Latitude: 45.780286 Longitude: -108.487995

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:2Tract:BCounty:YELLOWSTONEType:WELL

Tot dept: 17.4 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: ESD INC Lic no: Not Reported Comp date: 23-JUL-92 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000106319

AG167 SE MT WELLS MTG500000106104

SE 1/2 - 1 Mile Lower

Mnumber: 133274
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-12

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 20.5 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000106104

AG168
SE MT WELLS MTG500000103778

1/2 - 1 Mile Lower

Mnumber: 133229
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-40

Latitude: 45.780286 Longitude: -108.487995 Geomethod: TRS-SFC

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: В 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 21 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: ESD INC Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000103778

AG169 SE MT WELLS MTG500000103539

SE 1/2 - 1 Mile Lower

> Mnumber: 133224 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-29A

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 20 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000103539

AG170 SE MT WELLS MTG500000103459

1/2 - 1 Mile Lower

Mnumber: 133268
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-9

Latitude: 45.780286 Longitude: -108.487995

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:2Tract:BCounty:YELLOWSTONEType:WELL

Tot dept: 21.5 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill:ESD INCLic no:Not ReportedComp date:25-JUN-92Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000103459

AG171 SE MT WELLS MTG500000103831

1/2 - 1 Mile Lower

> Mnumber: 133227 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-39

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 30 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000103831

AG172 SE MT WELLS MTG500000103905

1/2 - 1 Mile Lower

Mnumber: 133379
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-15

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: В 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 24 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: ESD INC Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000103905

AG173 SE MT WELLS MTG500000103904

SE 1/2 - 1 Mile Lower

Mnumber: 133364
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-13

Latitude: 45.780286 Longitude: -108.487995

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: В YELLOWSTONE WELL County: Type:

Tot dept: 23 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000103904

AG174
SE MT WELLS MTG500000103833

1/2 - 1 Mile Lower

> Mnumber: 133241 Dnrc no: Not Reported

Site name: BILLING REFINERY * OR-7

Latitude: 45.780286 Longitude: -108.487995 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 B

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 23 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 0 Drillset:

Who drill: ESD INC Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000103833

AH175 SW MT WELLS MTG50000207981

SW 1/2 - 1 Mile Higher

Mnumber: 274849
Dnrc no: Not Reported
Site name: JEM, LLC
Latitude: 45.778389
Longitude: -108.506361

Geomethod: NAV-GPS Datum: WGS84 Township: 01S Range: 26E Isp sect: Tract: BDD 3 YELLOWSTONE WELL County: Type:

Tot dept: 20
Pwl: 0
Swl: 13.62
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 29-AUG-13 Pws id: Not Reported

Gwsi id: **DRILLERWEB** Not Reported Data sour:

Wqdata: Hydrograph:

Site id: MTG500000207981

AI176 SSE 1/2 - 1 Mile MT WELLS MTG500000100487

Lower

129326 Mnumber: Dnrc no: Not Reported

Site name: **BILLINGS REFINERY * R12-PE**

Latitude: 45.777539 Longitude: -108.492697

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: BCC Tract: YELLOWSTONE County: WELL Type:

Tot dept: 18.8 Pwl: 0 Swl: 0 Recov wl: 0 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: **NORTHERN** Lic no: Not Reported 17-AUG-84 Pws id: Not Reported Comp date:

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000100487 Site id:

AJ177 West 1/2 - 1 Mile MT WELLS MTG500000093895

Higher

Mnumber: 120239 Dnrc no: Not Reported

SUPER AMERICA #4070 * 30-89-115 * SB-5 Site name:

Latitude: 45.787635 Longitude: -108.512485

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: D 32 YELLOWSTONE WELL County: Type:

Tot dept: 18.5 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Who drill: **BRAUN** Lic no: Not Reported Comp date: 17-JAN-90 Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000093895

AJ178 West 1/2 - 1 Mile MT WELLS MTG500000003669

Higher

11491 Mnumber: Dnrc no: Not Reported

Site name: PLANNED PARENTHOOD OF BILLINGS

Latitude: 45.787635 Longitude: -108.512485

Geomethod: TRS-SEC NAD83 Datum: Township: 01N Range: 26E Isp sect: D 32 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 22 Pwl: 18 Swl: 14 0 Recov wl: 8 Yield: AIR Test type: Test dur: 24 Recov tm: 0

Drillset: 0

Who drill: **B&HDRILLING** Lic no: WWC309 08-JUN-84 Pws id: Not Reported Comp date:

Gwsi id: Not Reported Data sour: LOG Wqdata: Ν Hydrograph: Ν

MTG500000003669 Site id:

AJ179 West 1/2 - 1 Mile MT WELLS MTG500000093938

Higher

Mnumber: 120241 Dnrc no: Not Reported

SUPER AMERICA #4070 * 30-89-115 * SB-6 Site name:

Latitude: 45.787635 Longitude: -108.512485

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: D 32 YELLOWSTONE WELL County: Type:

Tot dept: 19 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Who drill: **BRAUN** Lic no: Not Reported Comp date: 18-JAN-90 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000093938

AJ180
West MT WELLS MTG500000094150
1/2 - 1 Mile

1/2 - 1 Mile Higher

> Mnumber: 120236 Dnrc no: Not Reported

Site name: SUPER AMERICA #4070 * 30-89-115 * SB-4

Latitude: 45.787635 Longitude: -108.512485 Geomethod: TRS-SFC

Geomethod: TRS-SEC NAD83 Datum: Township: 01N Range: 26E Isp sect: D 32 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 19 Pwl: 0 Swl: 0 Recov wl: 0 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 17-JAN-90 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000094150

A 1404

AJ181 West 1/2 - 1 Mile Higher

> Mnumber: 120235 Dnrc no: Not Reported

Site name: SUPER AMERICA #4070 * 30-89-115 * SB-3

Latitude: 45.787635 Longitude: -108.512485

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: D 32 YELLOWSTONE WELL County: Type:

Tot dept: 20 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 0 Recov tm: Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: Pws id: Not Reported

MT WELLS

MTG500000094149

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000094149

AH182 SW MT WELLS MTG500000142598 1/2 - 1 Mile

1/2 - 1 Mile Higher

Mnumber: 180485
Dnrc no: Not Reported
Site name: REICHENBACH VIC
Latitude: 45.778673

Longitude: 45.776073
Longitude: -108.507427
Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:3Tract:BDCounty:YELLOWSTONEType:WELL

Tot dept: 15 Pwl: 0 Swl: 10 Recov wl: 0 25 Yield: AIR Test type: Test dur: 4 Recov tm: 0 Drillset: 22

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344
Comp date: 16-NOV-99 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000142598

AI183
SSE MT WELLS MTG500000100535

SSE 1/2 - 1 Mile Lower

> Mnumber: 129328 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R4-EC

Latitude: 45.777768 Longitude: -108.491522

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E **BCCAD** Isp sect: 2 Tract: YELLOWSTONE WELL County: Type:

Tot dept: 18 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000100535

Al184
SSE
MT WELLS MTG500000076670
1/2 - 1 Mile

1/2 - 1 Mile Lower

Mnumber: 93614
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R8-SWA

Latitude: 45.777081 Longitude: -108.493481

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BCCC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 18.9 Pwl: 0 Swl: 8 0 Recov wl: 0 Yield: **OTHER** Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill:ADVANCED WELL DRILLING INCic no:WWC508Comp date:05-JAN-90Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000076670

AK185
ENE MT WELLS MTG500000100955

ENE 1/2 - 1 Mile Lower

Mnumber: 130058
Dnrc no: Not Reported
Site name: MT DEPT OF HIWYS

Latitude: 45.790129 Longitude: -108.485341

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CBB 34 YELLOWSTONE WELL County: Type:

Tot dept: 30 Pwl: 0 Swl: 16.8 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: Not Reported Lic no: Not Reported Comp date: Pws id: Not Reported Not Reported

Gwsi id: LOG Not Reported Data sour: Hydrograph: Wqdata: Ν

Site id: MTG500000100955

AK186 ENE 1/2 - 1 Mile MT WELLS MTG500000100988

Lower

130062 Mnumber: Dnrc no: Not Reported Site name: MT DEPT OF HIWYS

Latitude: 45.790129 Longitude: -108.485341 Geomethod: TRS-SEC

Datum: NAD83 Township: 01N Range: 26E Isp sect: CBB 34 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 30 Pwl: 0 Swl: 15.4 Recov wl: 0 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: Not Reported Lic no: Not Reported 02-SEP-92 Pws id: Not Reported Comp date:

Gwsi id: Not Reported Data sour: LOG Wqdata: Ν Hydrograph: Ν

MTG500000100988 Site id:

AK187 ENE 1/2 - 1 Mile MT WELLS MTG500000102951

Lower

Mnumber: 130059 Dnrc no: Not Reported MT DEPT OF HIWYS Site name:

45.790129 Latitude: Longitude: -108.485341 Geomethod: TRS-SEC

Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: CBB 34 YELLOWSTONE WELL County: Type:

Tot dept: 25.7 Pwl: 0 Swl: 14.9 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: Not Reported Lic no: Not Reported 01-SEP-92 Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000102951

AH188 SW MT WELLS MTG500000207404

1/2 - 1 Mile Higher

Mnumber: 274847
Dnrc no: Not Reported
Site name: JEM, LLC
Latitude: 45.778083
Longitude: -108.506667

Geomethod: NAV-GPS WGS84 Datum: Township: 01S Range: 26E Isp sect: BDD 3 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 20
Pwl: 0
Swl: 14.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 29-AUG-13 Pws id: Not Reported
Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000207404

AH189 SSW MT WELLS MTG500000206778

SSW 1/2 - 1 Mile Higher

> Mnumber: 272145 Dnrc no: Not Reported

Site name: WEST FEEDS INCORPORATED

Latitude: 45.777774

Longitude: -108.506088

Geomethod: TPS-SEC

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: BDD 3 YELLOWSTONE WELL County: Type:

 Tot dept:
 28

 Pwl:
 0

 Swl:
 0

 Recov wl:
 0

 Yield:
 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: AAQUA DRILLING INC Lic no: MWC224
Comp date: 07-MAR-13 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000206778

AH190 SSW MT WELLS MTG500000206124 1/2 - 1 Mile

1/2 - 1 Mile Higher

Mnumber: 272144
Dnrc no: Not Reported

Site name: WEST FEEDS INCORPORATED

 Latitude:
 45.777774

 Longitude:
 -108.506088

 Geomethod:
 TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:3Tract:BDDCounty:YELLOWSTONEType:WELL

Tot dept: 28
Pwl: 0
Swl: 19
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: AAQUA DRILLING INC Lic no: MWC224
Comp date: 07-MAR-13 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000206124

AH191 SSW MT WELLS MTG500000206123

SSW 1/2 - 1 Mile Higher

> Mnumber: 272142 Dnrc no: Not Reported

Site name: WEST FEEDS INCORPORATED

Latitude: 45.777774

Longitude: -108.506088

Geomethod: TPS-SEC

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Tract: BDD Isp sect: 3 YELLOWSTONE WELL County: Type:

 Tot dept:
 32

 Pwl:
 0

 Swl:
 19.5

 Recov wl:
 0

 Yield:
 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: AAQUA DRILLING INC Lic no: MWC224
Comp date: 07-MAR-13 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000206123

192 SSE MT WELLS MTG500000100550

1/2 - 1 Mile Lower

Mnumber: 129333
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-8A

Latitude: 45.776852 Longitude: -108.493873

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E BCCCC Isp sect: 2 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 18.9 Pwl: 0 Swl: 8 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: ADVANCED WELL DRILLING INCic no: Not Reported Comp date: 05-JAN-90 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100550

AH193 SW MT WELLS MTG500000207540

SW 1/2 - 1 Mile Higher

Mnumber: 274846

Dnrc no: Not Reported
Site name: JEM, LLC
Latitude: 45.778194
Longitude: -108.507306

Geomethod: NAV-GPS Datum: WGS84 Township: 01S Range: 26E Isp sect: Tract: BDD 3 YELLOWSTONE WELL County: Type:

Tot dept: 25
Pwl: 0
Swl: 15.37
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 29-AUG-13 Pws id: Not Reported

Gwsi id: **DRILLERWEB** Not Reported Data sour:

Wqdata: Hydrograph:

Site id: MTG500000207540

194 WSW 1/2 - 1 Mile MT WELLS MTG500000115972

Higher

148427 Mnumber: Dnrc no: Not Reported Site name: ST PAT CHURCH Latitude: 45.781368 Longitude: -108.511445

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: BBD 3 YELLOWSTONE County: WELL Type:

Tot dept: 34 Pwl: 20 Swl: 17 Recov wl: 0 30 Yield: PUMP Test type: Test dur: 4 Recov tm: 0 Drillset: 0

WWC344 Who drill: AMERICAN DRILLING & SUPPLYLic no: Comp date: 03-JUN-94 Not Reported Pws id:

Gwsi id: Not Reported Data sour: LOG Wqdata: Ν Hydrograph: Ν

MTG500000115972 Site id:

AI195 MT WELLS MTG500000102878

SSE 1/2 - 1 Mile Lower

> Mnumber: 129335 Dnrc no: Not Reported

BILLINGS REFINERY * R2-SC Site name:

Latitude: 45.777081 Longitude: -108.491913

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: 2 Tract: **BCCD** YELLOWSTONE WELL County: Type:

Tot dept: 19 Pwl: 0 0 Swl: 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: **DAVIS DRILLING** Lic no: Not Reported Comp date: 25-DEC-81 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000102878

AL196
SSW
MT WELLS MTG500000076584
1/2 - 1 Mile

1/2 - 1 Mile Higher

Mnumber: 93633
Dnrc no: Not Reported
Site name: WELLS LEELAND
Latitude: 45.776876
Longitude: -108.504749

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Not Reported 3 Tract: YELLOWSTONE WELL County: Type:

Tot dept: 44 Pwl: 14 Swl: 8 Recov wl: 0 30 Yield: **PUMP** Test type: Test dur: 2 Recov tm: 0 Drillset: 0

Who drill:BILLINGSLic no:WWC344Comp date:06-NOV-84Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000076584

AL197 SSW MT WELLS MTG50000076671

SSW 1/2 - 1 Mile Higher

Mnumber: 93628
Dnrc no: Not Reported
Site name: DEINES HENRY
Latitude: 45.776876
Longitude: -108.504749
Geomethod: TRS-SEC

Geomethod: TRS-SEC Datum: NAD83
Township: 01S Range: 26E

 Isp sect:
 3
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 20 Pwl: 0 20 Swl: Recov wl: 0 Yield: 59 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: UNKNOWN Lic no: Not Reported Comp date: 30-DEC-99 Pws id: Not Reported

Gwsi id: Not Reported Data sour: GW2 Wqdata: N Hydrograph: N

Site id: MTG500000076671

AL198 SSW MT WELLS MTG50000076672

SSW 1/2 - 1 Mile Higher

> Mnumber: 93631 Dnrc no: 23116

Site name: KROUSE NANCY
Latitude: 45.776876
Longitude: -108.504749
Commethed: TBS SEC

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: Not Reported 3 YELLOWSTONE WELL County: Type:

Tot dept: 21 Pwl: 0 Swl: 8 0 Recov wl: 0 Yield: Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: KUCK Lic no: Not Reported Comp date: 21-MAR-79 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000076672

AL199 SSW MT WELLS MTG50000074371

SSW 1/2 - 1 Mile Higher

> Mnumber: 93623 Dnrc no: 15682

Site name: DINIUS WILLIAM A. Latitude: 45.776876

Longitude: -108.504749

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E

 Isp sect:
 3
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 29 Pwl: 28 25 Swl: Recov wl: 0 Yield: 10 Test type: **PUMP** Test dur: 1 0 Recov tm: Drillset: 0

Who drill: BILLINGS Lic no: WWC264
Comp date: 25-AUG-77 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG50000074371

AL200 SSW MT WELLS MTG50000074401

Datum:

Range:

Tract:

Type:

NAD83

Not Reported

26E

WELL

SSW 1/2 - 1 Mile Higher

Mnumber: 93624

Dnrc no: Not Reported
Site name: WILCOXSON HAROLD

Latitude: 45.776876 Longitude: -108.504749

Geomethod: TRS-SEC
Township: 01S
Isp sect: 3

County: YELLOWSTONE
Tot dept: 22

Tot dept: Pwl: 14 Swl: 9 Recov wl: 0 Yield: 15 OTHER Test type: Test dur: 3 Recov tm: 0 Drillset: 0

Who drill: JOHNSON Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000074401

AL201 SSW MT WELLS MTG500000076583

SSW 1/2 - 1 Mile Higher

Mnumber: 93626
Dnrc no: Not Reported
Site name: SERICH R.J.
Latitude: 45.776876
Longitude: -108.504749
Geomethod: TRS-SEC

Geomethod: TRS-SEC Datum: NAD83
Township: 01S Range: 26E

 Isp sect:
 3
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 28 Pwl: 20 5 Swl: 0 Recov wl: Yield: 25 Test type: **PUMP** Test dur: 10 0 Recov tm: Drillset: 0

Who drill: SERICH Lic no: Not Reported Comp date: 07-JUL-69 Pws id: Not Reported

Gwsi id: Not Reported Data sour: GW2 Wqdata: N Hydrograph: N

Site id: MTG500000076583

AL202 SSW MT WELLS MTG50000088643

Type:

SSW 1/2 - 1 Mile Higher

 Mnumber:
 93627

 Dnrc no:
 Not Reported

 Site name:
 KAUTZ HENRY JR.

 Latitude:
 45.776876

 Longitude:
 -108.504749

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 3
 Tract:
 Not Reported

YELLOWSTONE County: Tot dept: 25 Pwl: 22 Swl: 17 Recov wl: 0 30 Yield: Test type: PUMP Test dur: 2 Recov tm: 0 Drillset: 0

Who drill: WEED Lic no: WWC165
Comp date: 02-SEP-68 Pws id: Not Reported
Gwsi id: Not Reported Data sour: GW2

Wqdata: No Hydrograph: N

Site id: MTG500000088643

AL203 SSW MT WELLS MTG50000088644

Datum:

SSW 1/2 - 1 Mile Higher

Mnumber: 93632
Dnrc no: Not Reported
Site name: REX HOTEL CO.
Latitude: 45.776876
Longitude: -108.504749
Geomethod: TRS-SEC

Township: 01S Range: 26E

 Isp sect:
 3
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 32 Pwl: 10 10 Swl: Recov wl: 0 Yield: 30 Test type: **BAILER** Test dur: 2 0 Recov tm: Drillset: 0

Who drill: B & H Lic no: WWC309
Comp date: 25-JUN-79 Pws id: Not Reported

WELL

NAD83

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000088644

AL204 SSW 1/2 - 1 Mile MT WELLS MTG500000088645

Higher

93634 Mnumber: Dnrc no: Not Reported Site name: MARCUM S.L. Latitude: 45.776876 Longitude: -108.504749

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: Not Reported 3 YELLOWSTONE WELL County: Type:

Tot dept: 21 Pwl: 14 Swl: 11 Recov wl: 0 100 Yield: **OTHER** Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: MARCUM Lic no: Not Reported Comp date: 30-JUN-72 Pws id: Not Reported Gwsi id: Not Reported Data sour: GW2 Hydrograph: Ν

Wqdata: MTG500000088645 Site id:

AL205 SSW 1/2 - 1 Mile MT WELLS MTG500000078216 Higher

Mnumber: 93629 Dnrc no: Not Reported **BACON AL** Site name: Latitude: 45.776876 Longitude: -108.504749 Geomethod: TRS-SEC

Datum: NAD83 Township: 01S Range: 26E

Isp sect: Tract: Not Reported 3 YELLOWSTONE WELL County: Type:

Tot dept: 21 Pwl: 13 9 Swl: 0 Recov wl: Yield: 13 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: **SCHINDLER** Lic no: **WWC106** 21-JUN-72 Comp date: Pws id: Not Reported

Gwsi id: GW2 Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000078216

AL206 SSW 1/2 - 1 Mile MT WELLS MTG500000078217

Higher

93630 Mnumber: Dnrc no: Not Reported Site name: PADILLA ANTONIO Latitude: 45.776876 Longitude: -108.504749

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Not Reported 3 Tract: YELLOWSTONE WELL Type:

County: Tot dept: 21 Pwl: 12 Swl: 9 Recov wl: 0 Yield: 13 Test type: OTHER Test dur: 0

Recov tm: 0 Drillset: Who drill:

SCHINDLER Lic no: **WWC106** Comp date: 15-JUN-72 Pws id: Not Reported Gwsi id: Not Reported Data sour: GW2 Wqdata: Ν Hydrograph: Ν

MTG500000078217 Site id:

AL207 MT WELLS MTG500000088642

SSW 1/2 - 1 Mile Higher

> Mnumber: 93625 Dnrc no: Not Reported

HEFENIEDER GEORGE Site name:

Latitude: 45.776876 Longitude: -108.504749 Geomethod: TRS-SEC

Datum: NAD83 Township: 01S Range: 26E

Isp sect: Tract: Not Reported 3 YELLOWSTONE WELL County: Type:

Tot dept: 27 Pwl: 20 16 Swl: Recov wl: 0 Yield: 30 Test type: **PUMP** Test dur: 2 0 Recov tm: Drillset: 0

Who drill: WEED Lic no: **WWC165** Comp date: 02-SEP-68 Pws id: Not Reported

Gwsi id: GW2 Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000088642

AI208 SSE 1/2 - 1 Mile MT WELLS MTG500000102879

Lower

129337 Mnumber: Dnrc no: Not Reported

Site name: **BILLINGS REFINERY * R9-TEL**

Latitude: 45.776852 Longitude: -108.492305

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E BCCDC Isp sect: Tract: YELLOWSTONE County: WELL Type:

Tot dept: 21.2 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: **NORTHERN** Lic no: Not Reported 21-AUG-84 Pws id: Not Reported Comp date:

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000102879 Site id:

AM209 MT WELLS MTG500000076580

ESE 1/2 - 1 Mile Lower

> Mnumber: 93608 Dnrc no: Not Reported

BILLINGS REFINERY * R-30 Site name:

45.782805 Latitude: Longitude: -108.484468

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: **BAACB** 2 YELLOWSTONE WELL County: Type:

Tot dept: 17 Pwl: 0 6 Swl: Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: ADVANCED WELL DRILLING IN Cic no: **WWC508** Comp date: 03-JAN-90 Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000076580

AM210 ESE 1/2 - 1 Mile MT WELLS MTG500000102783

Lower

129300 Mnumber: Dnrc no: Not Reported

Site name: **BILLINGS REFINERY * R-21**

Latitude: 45.782118 Longitude: -108.48486

Geomethod: TRS-SEC NAD83 Datum: Township: 01S Range: 26E Isp sect: BA 2 Tract: YELLOWSTONE WELL County: Type:

Tot dept: 23 Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: **BRAUN** Lic no: Not Reported 21-SEP-88 Pws id: Not Reported Comp date:

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000102783 Site id:

AM211

ESE 1/2 - 1 Mile Lower

> Mnumber: 129301 Dnrc no: Not Reported

BILLINGS REFINERY * RW-1 Site name:

Latitude: 45.782118 Longitude: -108.48486 Geomethod: TRS-SEC

Datum: NAD83 Township: 01S Range: 26E Isp sect: Tract: BA 2 YELLOWSTONE WELL County: Type:

Tot dept: 24.3 Pwl: 0 10.5 Swl: Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: ADVANCED WELL DRILLING IN Cic no: Not Reported Comp date: 18-MAR-91 Pws id: Not Reported

MT WELLS

MTG500000102874

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000102874

ENE MT WELLS MTG500000002062

1/2 - 1 Mile Lower

> 11524 Mnumber: Dnrc no: Not Reported Site name: RICHARDS, LAURA

Latitude: 45.789226 Longitude: -108.484034 Geomethod: TRS-SEC

Datum: NAD83 Township: 01N Range: 26E Isp sect: СВ 34 Tract: YELLOWSTONE County: WELL Type: Tot dept: 0

Pwl: 0 Swl: 0 0 Recov wl: 0 Yield: OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: **UNKNOWN** Lic no: Not Reported Comp date: 01-JAN-50 Pws id: Not Reported Gwsi id: Not Reported Data sour: GW2

Wqdata: Hydrograph: Ν

MTG500000002062 Site id:

AN213 ENE 1/2 - 1 Mile MT WELLS MTG500000096604

Lower

Mnumber: 123505 Dnrc no: Not Reported

CONSOLIDATED FREIGHT WAYS Site name:

Latitude: 45.791935 Longitude: -108.485341

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: BCC 34 YELLOWSTONE WELL County: Type:

Tot dept: 18.8 Pwl: 0 Swl: 6.31 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: CHEN-NORTHERN, INC Lic no: MWC209 19-APR-90 Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000096604

AN214 ENE MT WELLS MTG50000096642

1/2 - 1 Mile Lower

> Mnumber: 123510 Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAYS

 Latitude:
 45.791935

 Longitude:
 -108.485341

 Geomethod:
 TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:34Tract:BCCCounty:YELLOWSTONEType:WELL

Tot dept: 20 Pwl: 0 Swl: 6.5 Recov wl: 0 0 Yield: **OTHER** Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: CHEN-NORTHERN, INC Lic no: MWC209
Comp date: 05-FEB-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000096642

AN215
ENE MT WELLS MTG50000096415

1/2 - 1 Mile Lower

> Mnumber: 123506 Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAYS

Latitude: 45.791935 Longitude: -108.485341

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Tract: BCC Isp sect: 34 YELLOWSTONE WELL County: Type:

Tot dept: 18.8 Pwl: 0 Swl: 6.67 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: CHEN-NORTHERN, INC Lic no: MWC209
Comp date: 10-APR-90 Pws id: Not Reported

Gwsi id: LOG Not Reported Data sour: Wqdata: Hydrograph: Ν

Site id: MTG500000096415

AN216 ENE MT WELLS MTG500000096371

1/2 - 1 Mile Lower

> 123511 Mnumber: Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAYS

Latitude: 45.791935 Longitude: -108.485341 Geomethod: TRS-SEC

NAD83 Datum: Township: 01N Range: 26E Isp sect: BCC 34 Tract: YELLOWSTONE County: WELL Type:

Tot dept: 19.5 Pwl: 0 Swl: 5.6 Recov wl: 0 0 Yield: **OTHER** Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: CHEN-NORTHERN, INC Lic no: MWC209 05-FEB-91 Pws id: Not Reported Comp date:

Gwsi id: Not Reported Data sour: LOG Wqdata: Ν Hydrograph: Ν

MTG500000096371 Site id:

AN217 ENE 1/2 - 1 Mile MT WELLS MTG500000096372

Lower

Mnumber: 123512 Dnrc no: Not Reported

CONSOLIDATED FREIGHT WAYS Site name:

Latitude: 45.791935 Longitude: -108.485341

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Tract: BCC Isp sect: 34 YELLOWSTONE WELL County: Type:

Tot dept: 21.7 Pwl: 0 5.5 Swl: Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: CHEN-NORTHERN, INC Lic no: MWC209 Comp date: 04-FEB-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000096372

AN218
ENE MT WELLS MTG50000097105

1/2 - 1 Mile Lower

> Mnumber: 123504 Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAYS

Latitude: 45.791935 Longitude: -108.485341 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:34Tract:BCCCounty:YELLOWSTONEType:WELL

Tot dept: 19.8 Pwl: 0 Swl: 6.16 Recov wl: 0 0 Yield: **OTHER** Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: CHEN-NORTHERN, INC Lic no: MWC209
Comp date: 10-APR-90 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000097105

AN219
ENE MT WELLS MTG50000097292

ENE 1/2 - 1 Mile Lower

> Mnumber: 123508 Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAYS

Latitude: 45.791935 Longitude: -108.485341

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: BCC 34 YELLOWSTONE WELL County: Type:

Tot dept: 21.3 Pwl: 0 5.4 Swl: Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: CHEN-NORTHERN, INC Lic no: MWC209
Comp date: 05-FEB-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000097292

AN220 ENE MT WELLS MTG50000096752

1/2 - 1 Mile Lower

> Mnumber: 123509 Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAYS

Latitude: 45.791935 Longitude: -108.485341 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:34Tract:BCCCounty:YELLOWSTONEType:WELL

Tot dept: 19.3 Pwl: 0 Swl: 6.5 Recov wl: 0 0 Yield: **OTHER** Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: CHEN-NORTHERN, INC Lic no: MWC209
Comp date: 05-FEB-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000096752

AN221

ENE 1/2 - 1 Mile Lower

Mnumber: 123513
Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAYS

Latitude: 45.791935 Longitude: -108.485341

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E Isp sect: Tract: BCC 34 YELLOWSTONE WELL County: Type:

Tot dept: 19 Pwl: 0 Swl: 6.3 Recov wl: 0 Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset:

Who drill: CHEN-NORTHERN, INC Lic no: MWC209
Comp date: 06-FEB-91 Pws id: Not Reported

MT WELLS

MTG500000096643

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000096643

AN222 ENE MT WELLS MTG50000096751

1/2 - 1 Mile Lower

> Mnumber: 123507 Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAYS

 Latitude:
 45.791935

 Longitude:
 -108.485341

 Geomethod:
 TRS-SEC

TRS-SEC NAD83 Geomethod: Datum: Township: 01N Range: 26E BCC Isp sect: 34 Tract: YELLOWSTONE WELL County: Type:

Tot dept: 20.5 Pwl: 0 Swl: 0 Recov wl: 0 0 Yield: **OTHER** Test type: Test dur: 0 Recov tm: 0 Drillset:

Who drill: CHEN-NORTHERN, INC Lic no: MWC209
Comp date: 17-APR-90 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000096751

223 ESE FED USGS USGS40000705140

1/2 - 1 Mile Lower

Org. Identifier: USGS-MT

Formal name: USGS Montana Water Science Center

Monloc Identifier: USGS-454652108290401

Monloc name: 01S26E02BADC01

Monloc type: Well

Monloc desc: Not Reported

10070004 Drainagearea value: Not Reported Huc code: Not Reported Contrib drainagearea: Not Reported Drainagearea Units: Contrib drainagearea units: Not Reported Latitude: 45.7810635 Longitude: -108.4851345 Sourcemap scale: Not Reported Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 3105 Vert measure units: feet Vertacc measure val: 1

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Not Reported Formation type: Quaternary Alluvium

Aquifer type: Not Reported

Construction date: Not Reported Welldepth: 15.4

Welldepth units: ft Wellholedepth: Not Reported

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1978-08-24 4.20

AO224 SW MT WELLS MTG500000206689 1/2 - 1 Mile

1/2 - 1 Mile Higher

 Mnumber:
 272280

 Dnrc no:
 Not Reported

 Site name:
 BILL MANKIN

 Latitude:
 45.777694

 Longitude:
 -108.507944

 Geomethod:
 NAV-GPS
 Datum:
 WGS84

 Township:
 01S
 Range:
 25E

 Isp sect:
 12
 Tract:
 AA

County: YELLOWSTONE Type: BOREHOLE

Tot dept: 20
Pwl: 0
Swl: 12
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0 Recov tm: 0

Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 07-MAY-13 Pws id: Not Reported
Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000206689

AO225 SW MT WELLS MTG500000206996

SW 1/2 - 1 Mile Higher

Mnumber: 272281
Dnrc no: Not Reported

Site name: BNSF RAILWAY COMPANY

Latitude: 45.777694 Longitude: -108.507944 Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 WGS84

 Township:
 01S
 Range:
 26E

 Isp sect:
 3
 Tract:
 CA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 21.5

 Pwl:
 0

 Swl:
 15

 Recov wl:
 0

 Yield:
 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 08-MAY-13 Pws id: Not Reported
Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000206996

AP226 SSE MT WELLS MTG500000100363

1/2 - 1 Mile Lower

Mnumber: 129339
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R10-SE

Latitude: 45.776737 Longitude: -108.491326

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BCCDDD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 19.6 Pwl: 0 Swl: 0 0 Recov wl: Yield: 0 Test type: OTHER Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: NORTHERN Lic no: Not Reported Comp date: 17-AUG-84 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG

Wqdata: N Hydrograph: N

Site id: MTG500000100363

AQ227

SE 1/2 - 1 Mile Lower

Mnumber: 129363
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R6-NE

Latitude: 45.778913 Longitude: -108.487211

NAD83 Geomethod: TRS-SEC Datum: Township: 01S Range: 26E Isp sect: 2 Tract: **BDBC** County: YELLOWSTONE Type: WELL

Tot dept: 22

MT WELLS

MTG500000100575

Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

DAVIS DRILLING Who drill: Lic no: Not Reported Pws id: Not Reported Comp date: 27-JAN-82 LOG Gwsi id: Not Reported Data sour:

Wqdata: Site id: MTG500000100575

AQ228

MT WELLS MTG500000076581

Hydrograph:

Ν

1/2 - 1 Mile Lower

> Mnumber: 93615 Dnrc no: Not Reported

Site name: **BILLNGS REFINERY *R-26**

Latitude: 45.779371 Longitude: -108.486427

Geomethod: TRS-SEC Datum: NAD83 Township: 01S Range: 26E Isp sect: BDB Tract: County: YELLOWSTONE Type: WELL

Tot dept: 23 Pwl: 0 Swl: 8 0 Recov wl: 0 Yield: Test type: OTHER Test dur: Recov tm: 0

Drillset: 0 ADVANCED WELL DRILLING INCic no: WWC508 Who drill: Not Reported Comp date: 29-DEC-89 Pws id: Gwsi id: Not Reported Data sour: LOG

Wqdata: Hydrograph: Ν Ν

MTG500000076581 Site id:

AP229 SSE 1/2 - 1 Mile **FED USGS**

Lower

Org. Identifier: **USGS-MT**

Formal name: USGS Montana Water Science Center

Monloc Identifier: USGS-454637108292301

Monloc name: 01S26E02BC 01

Monloc type: Well

Monloc desc: Not Reported

10070004 Huc code: Drainagearea value: Not Reported Contrib drainagearea: Drainagearea Units: Not Reported Not Reported Contrib drainagearea units: Not Reported Latitude: 45.7768967 Longitude: -108.4904124 Sourcemap scale: 24000

USGS40000705095

Horiz Acc measure: 5 Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: 3108 Vert measure units: Feet Vertacc measure val: 5

Vert accmeasure units: feet

Vertcollection method: Interpolated from topographic map

Vert coord refsys: NGVD29 Countrycode: US

Aquifername: Not Reported
Formation type: Quaternary Alluvium
Aquifer type: Not Reported

Construction date: 1967 Welldepth: Not Reported

Welldepth units: Not Reported Wellholedepth: 30

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 1

Feet below Feet to Date Surface Sealevel

1967-10-17 6.40

AP230 SSE MT WELLS MTG500000234287

1/2 - 1 Mile Lower

Mnumber: 705307
Dnrc no: Not Reported
Site name: CONOCO OIL
Latitude: 45.7769
Longitude: -108.4897
Geomethod: LINKNOWN

Geomethod: **UNKNOWN** Datum: NAD27 Township: 01S Range: 26E ВС Isp sect: 2 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 0
Pwl: 0
Swl: 0
Recov wl: 0
Yield: 0
Test type: OTHER
Test dur: 0
Percov tm: 0

Recov tm: 0

Drillset: 0

Who drill:Not ReportedLic no:Not ReportedComp date:01-JAN-67Pws id:Not ReportedGwsi id:454637108292301Data sour:USGSWqdata:NHydrograph:N

Site id: MTG500000234287

AM231 ESE 1/2 - 1 Mile Lower

MT WELLS MTG500000143994

Mnumber: 185123
Dnrc no: Not Reported
Site name: CONOCO INC.*P2-21

Latitude: 45.783034 Longitude: -108.483292

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BAA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 24
Pwl: 0
Swl: 9.5
Recov wl: 0
Yield: 0
Test type: OTHER

Test type: OT
Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: WWC344
Comp date: 19-NOV-00 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG
Wqdata: N Hydrograph: N

Site id: MTG500000143994

AM232
ESE MT WELLS MTG500000201322

1/2 - 1 Mile Lower

Mnumber: 262062
Dnrc no: Not Reported
Site name: CONOCO INC.
Latitude: 45.783034
Longitude: -108.483292
Geomethod: TRS-SEC.

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: BAA Isp sect: 2 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 0
Pwl: 0
Swl: 9.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344
Comp date: 02-AUG-02 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000201322

AM233 ESE 1/2 - 1 Mile Lower

Mnumber: 200097
Dnrc no: Not Reported
Site name: CONOCO INC
Latitude: 45.783034
Longitude: -108.483292
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BAA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 24.5 Pwl: 0 Swl: 6.9 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: WWC344
Comp date: 15-NOV-02 Pws id: Not Reported
Gwsi id: Not Reported Pata sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000153728

AM234
ESE MT WELLS MTG500000144569

1/2 - 1 Mile Lower

Mnumber: 185122
Dnrc no: Not Reported
Site name: CONOCO INC.
Latitude: 45.783034
Longitude: -108.483292
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BAA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 25
Pwl: 0
Swl: 9.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:MAXIM TECHNOLOGIESLic no:MWC344Comp date:19-NOV-00Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000144569

AR235 East 1/2 - 1 Mile Lower

Mnumber: 129579
Dnrc no: Not Reported
Site name: BILLINGS REFINERY

Latitude: 45.784711 Longitude: -108.482727 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:34Tract:CCDCounty:YELLOWSTONEType:WELL

Tot dept: 19.1 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: 25-FEB-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100637

AR236
East MT WELLS MTG500000100636

1/2 - 1 Mile Lower

Mnumber: 129576
Dnrc no: Not Reported
Site name: BILLINGS REFINERY

Latitude: 45.784711 Longitude: -108.482727

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Tract: CCD Isp sect: 34 County: YELLOWSTONE WELL Type:

Tot dept: 21.6 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: ADVANCED WELL DRILLING INCic no: Not Reported Comp date: 25-FEB-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100636

AR237 East 1/2 - 1 Mile Lower

Mnumber: 129570
Dnrc no: Not Reported
Site name: BILLINGS REFINERY

Latitude: 45.784711 Longitude: -108.482727

TRS-SEC NAD83 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 34 Tract: CCD YELLOWSTONE WELL County: Type:

Tot dept: 19.8 Pwl: 0 Swl: 10 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: 26-FEB-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100656

AR238 East MT WELLS MTG500000145457

1/2 - 1 Mile Lower

Mnumber: 185615
Dnrc no: Not Reported
Site name: CONOCO INC.
Latitude: 45.784711
Longitude: -108.482727

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: CCD 34 County: YELLOWSTONE WELL Type:

Tot dept: 25 Pwl: 0 9.5 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344
Comp date: 20-NOV-00 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000145457

AR239 East 1/2 - 1 Mile Lower

129573 Mnumber: Dnrc no: Not Reported **BILLINGS REFINERY** Site name:

Latitude: 45.784711 -108.482727 Longitude: TRS-SEC Geomethod:

NAD83 Datum: Township: 01N Range: 26E Isp sect: 34 Tract: CCD YELLOWSTONE WELL County: Type:

Tot dept: 20.8 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING IN Cic no: Not Reported 26-FEB-91 Not Reported Comp date: Pws id: Gwsi id: Not Reported Data sour: LOG

Wqdata: Hydrograph: Ν

MTG500000100819 Site id:

240 MT WELLS MTG500000116701

SW 1/2 - 1 Mile Higher

> Mnumber: 149798 Dnrc no: 93010

ST. LUKES EPISCOPAL Site name:

Latitude: 45.779571 Longitude: -108.511445

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: BCA Isp sect: 3 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 31 Pwl: 18 Swl: 16 0 Recov wl: 25 Yield: Test type: **PUMP** Test dur: Recov tm: 0 Drillset: 0

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344 Comp date: 18-APR-95 Pws id: Not Reported

LOG Gwsi id: Not Reported Data sour: Wqdata: Ν Ν Hydrograph:

MTG500000116701 Site id:

AS241 ESE 1/2 - 1 Mile Lower

Mnumber: 129303 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-20

Latitude: 45.783721 Longitude: -108.4829

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BAAAB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 19 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 20-SEP-88 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000102875

AS242 ESE MT WELLS MTG500000100151

1/2 - 1 Mile Lower

> Mnumber: 129304 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * BW-2

Latitude: 45.783721 Longitude: -108.4829

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BAAAB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 31.6 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: ADVANCED WELL DRILLING IN&ic no: Not Reported Comp date: 15-MAR-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100151

AM243 ESE 1/2 - 1 Mile Lower

Mnumber: 147360 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-16

Latitude: 45.783 Longitude: -108.4825

Geomethod: UNKNOWN Datum: NAD27 Township: 01S Range: 26E

 Isp sect:
 2
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 15 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 04-MAR-94 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000221619

AT244 South MT WELLS MTG500000169853

1/2 - 1 Mile Higher

Mnumber: 217519
Dnrc no: Not Reported
Site name: CITY OF BILLINGS

Latitude: 45.775079
Longitude: -108.496713
Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:3Tract:DACounty:YELLOWSTONEType:WELL

Tot dept: 15 Pwl: 0 6 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 02-MAR-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000169853

AT245 South 1/2 - 1 Mile Higher

Mnumber: 217520
Dnrc no: Not Reported
Site name: CITY OF BILLINGS

Latitude: 45.775079 Longitude: -108.496713 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 3
 Tract:
 DA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 15
Pwl: 0
Swl: 9.5
Recov wl: 0
Yield: 0
Test type: OTHER
Test dur: 0

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 02-MAR-05 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG
Wqdata: N Hydrograph: N

Site id: MTG500000169854

Datum:

Range:

Tract:

Type:

Higher

Mnumber: 93652 Dnrc no: 2738

Site name: CITY OF BILLINGS Latitude: 45.775079

Longitude: 45.775079
Longitude: -108.496713
Geomethod: TRS-SEC
Township: 01S

 Township:
 01S

 Isp sect:
 3

 County:
 YELLOWSTONE

 Tot dept:
 26

Pwl: 21 Swl: 12 0 Recov wl: 80 Yield: Test type: **OTHER** Test dur: 4 Recov tm: 0 Drillset: 0

Who drill:WEEDLic no:WWC230Comp date:01-OCT-73Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000074831

AT247 South 1/2 - 1 Mile Higher

MT WELLS MTG500000133764

NAD83

26E

DA

WELL

170130 Mnumber: Dnrc no: C105936-00

Site name: REICHENBACH VICTOR

Latitude: 45.775079 Longitude: -108.496713 TRS-SEC Geomethod:

NAD83 Datum: Township: 01S Range: 26E Isp sect: Tract: DA YELLOWSTONE WELL County: Type:

Tot dept: 25 Pwl: 13.7 Swl: 10 Recov wl: 0 Yield: 28 PUMP Test type: Test dur: 1 Recov tm: 0 Drillset: 0

WWC344 Who drill: AMERICAN DRILLING & SUPPLYLic no: 24-FEB-98 Comp date: Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG

Wqdata: Hydrograph: Ν

MTG500000133764 Site id:

AO248 SW 1/2 - 1 Mile MT WELLS MTG500000206997

Higher

Mnumber: 272283 Dnrc no: Not Reported

BNSF RAILWAY COMPANY Site name:

45.777492 Latitude: Longitude: -108.5088

WGS84 Geomethod: **NAV-GPS** Datum: Township: 26E 01S Range: Isp sect: 3 Tract: CA County: YELLOWSTONE WELL Type:

Tot dept: 21 Pwl: 0 Swl: 15 0 Recov wl: 0 Yield:

Test type: Not Reported

Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC MWC435 Lic no: Comp date: 08-MAY-13 Pws id: Not Reported Not Reported **DRILLERWEB** Gwsi id: Data sour:

Wqdata: Ν Ν Hydrograph:

MTG500000206997 Site id:

AQ249 SE 1/2 - 1 Mile

Lower

Mnumber: 248587 Dnrc no: Not Reported

Site name: CONOCO PHILLIPS INC

Latitude: 45.778417 Longitude: -108.486717 Geomethod: SUR-GPS

 Geomethod:
 SUR-GPS
 Datum:
 WGS84

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 13.5
Pwl: 0
Swl: 5.04
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 15-SEP-08 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

 Wqdata:
 N

 Site id:
 MTG500000191215

AU250
West MT WELLS MTG500000002058

Hydrograph:

Ν

West 1/2 - 1 Mile Higher

> Mnumber: 11492 Dnrc no: Not Reported

Site name: SCHOOL DISTRICT #2 * MCKINLEY SCHOOL

Latitude: 45.785827 Longitude: -108.515095

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: DC 32 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 26 Pwl: 26 Swl: 15 0 Recov wl: 10 Yield: Test type: **PUMP** Test dur: 2 Recov tm: 0 Drillset: 0

Who drill: PINNOW DRILLING Lic no: WWC320 Comp date: 29-DEC-83 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000002058

AU251 West 1/2 - 1 Mile Higher

Mnumber: 11493
Dnrc no: Not Reported
Site name: WHALEN, TIM
Latitude: 45.785826
Longitude: -108.515095
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 32
 Tract:
 DC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 25 Pwl: 0 Swl: 12 Recov wl: 0 Yield: 30 **PUMP** Test type: Test dur: 3 Recov tm: 0 Drillset:

Who drill: KUNTZ DIVERSIFIED SERVICESLic no: Not Reported Comp date: 02-JUN-86 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000002456

AV252 ESE MT WELLS MTG500000221585

1/2 - 1 Mile Lower

> Mnumber: 147364 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-17

Latitude: 45.7813 Longitude: -108.483

Geomethod: UNKNOWN Datum: NAD27
Township: 01S Range: 26E
Isp sect: 2 Tract: Not Rep

 Isp sect:
 2
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 14 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 08-MAR-94 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000221585

AW253 West 1/2 - 1 Mile Higher

Mnumber: 276048
Dnrc no: Not Reported

Site name: JEAN L NILSON REVOCABLE TRUST

Latitude: 45.784222 Longitude: -108.515167 Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 WGS84

 Township:
 01N
 Range:
 26E

 Isp sect:
 32
 Tract:
 DD

 County:
 YELLOWSTONE
 Type:
 WELL

 Tot dept:
 20

 Pwl:
 0

 Swl:
 13.92

 Recov wl:
 0

 Yield:
 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC435
Comp date: 18-NOV-13 Pws id: Not Reported
Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000208347

AX254 NE MT WELLS MTG500000147933

1/2 - 1 Mile Lower

> Mnumber: 190071 Dnrc no: Not Reported

Site name: YURKO PROPERTIES

Latitude: 45.793741 Longitude: -108.485341 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BCB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 16 Pwl: 0 Swl: 6.32 0 Recov wl: 2 Yield: Test type: **BAILER** Test dur: .33 Recov tm: 0 Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: Not Reported Comp date: 15-JUN-00 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000147933

AX255 NE 1/2 - 1 Mile Lower

Mnumber: 190065 Dnrc no: Not Reported

Site name: YURKO PROPERTIES

Latitude: 45.793741 Longitude: -108.485341 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BCB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 16 Pwl: 0 Swl: 7.93 Recov wl: 0 Yield: 2 **BAILER** Test type: Test dur: .33 Recov tm: Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: Not Reported Comp date: 15-JUN-00 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000147273

AX256 NE MT WELLS MTG500000146873

1/2 - 1 Mile Lower

> Mnumber: 190069 Dnrc no: Not Reported

Site name: YURKO PROPERTIES

Latitude: 45.793741 Longitude: -108.485341 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BCB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 16 Pwl: 0 Swl: 8.36 0 Recov wl: 2 Yield: Test type: **BAILER** Test dur: .33 Recov tm: 0 Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: Not Reported Comp date: 15-JUN-00 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000146873

AX257 NE 1/2 - 1 Mile Lower

Mnumber: 219663 Dnrc no: Not Reported

Site name: YURKO PROPERTIES

Latitude: 45.793741 Longitude: -108.485341 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BCB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 15 Pwl: 0 Swl: 8 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 16-JUN-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000171278

AX258 NE MT WELLS MTG500000170699

1/2 - 1 Mile Lower

> Mnumber: 219660 Dnrc no: Not Reported

Site name: YURKO PROPERTIES

Latitude: 45.793741 Longitude: -108.485341 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:34Tract:BCBCounty:YELLOWSTONEType:WELL

Tot dept: 15 Pwl: 0 8 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 16-JUN-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000170699

AX259 NE 1/2 - 1 Mile Lower

Mnumber: 190070 Dnrc no: Not Reported

Site name: YURKO PROPERTIES

Latitude: 45.793741 Longitude: -108.485341 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BCB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 15 Pwl: 0 Swl: 7.89 Recov wl: 0 Yield: 2 **BAILER** Test type: Test dur: .33 Recov tm: Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000148435

AY260 NE MT WELLS MTG500000203399

1/2 - 1 Mile Lower

 Mnumber:
 265299

 Dnrc no:
 Not Reported

 Site name:
 GM PETROLEUM

 Latitude:
 45.794556

 Longitude:
 -108.486306

WGS84 Geomethod: **NAV-GPS** Datum: Township: 01N 26E Range: ВС Isp sect: 34 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 15
Pwl: 0
Swl: 7.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC. Lic no: MWC435
Comp date: 04-APR-12 Pws id: Not Reported
Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000203399

AV261 ESE 1/2 - 1 Mile Lower

Mnumber: 129307 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * PZ-7

Latitude: 45.781202 Longitude: -108.483292

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:2Tract:BADCounty:YELLOWSTONEType:WELL

Tot dept: 29.7 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: 18-FEB-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100360

AV262 ESE MT WELLS MTG500000100359

1/2 - 1 Mile Lower

> Mnumber: 129305 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * PZ-5

Latitude: 45.781202 Longitude: -108.483292

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BAD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 19.3 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100359

AV263 ESE 1/2 - 1 Mile Lower

Mnumber: 129309 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R16-A

Latitude: 45.781202 Longitude: -108.483292

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BAD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 12 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 15-FEB-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000100532

AV264
ESE MT WELLS MTG500000100568

1/2 - 1 Mile Lower

> Mnumber: 129306 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * PZ-6

Latitude: 45.781202 Longitude: -108.483292

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BAD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 18.8 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100568

AV265 ESE 1/2 - 1 Mile Lower

129308 Mnumber: Dnrc no: Not Reported

BILLINGS REFINERY * PZ-8 Site name:

45.781202 Latitude: -108.483292 Longitude:

TRS-SEC NAD83 Geomethod: Datum: Township: 01S Range: 26E Isp sect: Tract: BAD YELLOWSTONE WELL County: Type:

Tot dept: 19.7 Pwl: 0 Swl: 8 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING IN Cic no: Not Reported 19-FEB-91 Not Reported Comp date: Pws id: Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000100547 Site id:

AZ266

1/2 - 1 Mile Lower

MT WELLS MTG500000100554

Mnumber: 129365 Dnrc no: Not Reported

BILLINGS REFINERY * R-13 Site name:

45.77731 Latitude: Longitude: -108.487603

NAD83 Geomethod: TRS-SEC Datum: Township: 01S Range: 26E **BDCCB** Isp sect: Tract: County: YELLOWSTONE WELL Type:

Tot dept: 21.8 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: **BRAUN** Not Reported Lic no: Comp date: 26-SEP-88 Pws id: Not Reported

Not Reported LOG Gwsi id: Data sour: Wqdata: Ν Ν Hydrograph:

MTG500000100554 Site id:

AW267 West 1/2 - 1 Mile Higher

276047 Mnumber: Dnrc no: Not Reported

JEAN L. NILSON REVOCABLE TRUST Site name:

45.784194 Latitude: -108.515333 Longitude: NAV-GPS Geomethod:

WGS84 Datum: Township: 01N Range: 26E Isp sect: 32 Tract: DD YELLOWSTONE WELL County: Type:

Tot dept: 20 Pwl: 0 Swl: 12.95 Recov wl: 0 Yield: 0

Not Reported Test type:

Test dur: 0 Recov tm: Drillset: 0

HAZ TECH DRILLING INC MWC435 Who drill: Lic no: 18-NOV-13 Comp date: Pws id: Not Reported Gwsi id: Not Reported Data sour: **DRILLERWEB**

Wqdata: Hydrograph: Ν

MTG500000208346 Site id:

268 WNW 1/2 - 1 Mile MT WELLS MTG500000186238

Higher

Mnumber: 239966 Dnrc no: Not Reported TUSS, JOAN Site name: 45.789443 Latitude: Longitude: -108.515095

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: DB Isp sect: 32 Tract: County: YELLOWSTONE WELL Type: Tot dept: 30

Pwl: 0 Swl: 16 16 Recov wl: 25 Yield: Test type: AIR Test dur: 1.5 Recov tm: .5 Drillset: 29

Who drill: AMERICAN DRILLING & SUPPLYLic no: **WWC344** Comp date: 30-JUL-07 Pws id: Not Reported

LOG Gwsi id: Not Reported Data sour: Wqdata: Ν Ν Hydrograph:

MTG500000186238 Site id:

AY269 NE 1/2 - 1 Mile Lower

Mnumber: 265298
Dnrc no: Not Reported
Site name: GM PETROLEUM
Latitude: 45.794611
Longitude: -108.486139

NAV-GPS WGS84 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 34 Tract: BC YELLOWSTONE WELL County: Type:

Tot dept: 15
Pwl: 0
Swl: 7.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC. Lic no: MWC435
Comp date: 04-APR-12 Pws id: Not Reported
Gwsi id: Not Reported Data sour: DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000203436

AW270
West MT WELLS MTG500000208483

1/2 - 1 Mile Higher

Mnumber: 276046
Dnrc no: Not Reported

Site name: JEAN L. NILSON REVOCABLE TRUST

Latitude: 45.78425 Longitude: -108.515444

WGS84 Geomethod: **NAV-GPS** Datum: Township: 01N 26E Range: DD Isp sect: 32 Tract: YELLOWSTONE WELL County: Type: 20

 Tot dept:
 20

 Pwl:
 0

 Swl:
 12.98

 Recov wl:
 0

 Yield:
 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:HAZ TECH DRILLING INCLic no:MWC435Comp date:18-NOV-13Pws id:Not ReportedGwsi id:Not ReportedData sour:DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000208483

AY271 NE 1/2 - 1 Mile Lower

265297 Mnumber: Dnrc no: Not Reported Site name: **GM PETROLEUM** 45.794778 Latitude: -108.486361 Longitude:

NAV-GPS WGS84 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 34 Tract: BC WELL YELLOWSTONE County: Type:

Tot dept: 15 Pwl: 0 Swl: 7.5 Recov wl: 0 Yield: 0

Not Reported Test type:

Test dur: 0 Recov tm: Drillset: 0

MWC435 Who drill: HAZ TECH DRILLING INC. Lic no: 03-APR-12 Comp date: Pws id: Not Reported Gwsi id: Not Reported Data sour: **DRILLERWEB**

Wqdata: Hydrograph:

MTG500000203928 Site id:

MT WELLS MTG500000001231

1/2 - 1 Mile Lower

> Mnumber: 11521 Dnrc no: Not Reported

ORCHOWSKI, FRANK Site name:

Latitude: 45.795755 Longitude: -108.487762 Geomethod: TRS-SEC

NAD83 Datum: Township: 01N 26E Range: Isp sect: Tract: AAD 33 County: YELLOWSTONE WELL Type: Tot dept: 22

Pwl: 0 20 Swl: 0 Recov wl: 40 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: UNKNOWN Not Reported Lic no: Comp date: 01-JAN-50 Pws id: Not Reported Not Reported GW4 Gwsi id: Data sour: Ν Hydrograph:

Wqdata: Ν MTG500000001231 Site id:

BA273 ENE 1/2 - 1 Mile Lower

Mnumber: 180220 Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAY

Latitude: 45.792838 Longitude: -108.484034 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 16 Pwl: 0 Swl: 6.5 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset: 0

Who drill:MAXIM TECHNOLOGIESLic no:MWC344Comp date:03-FEB-00Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000141039

BA274
ENE MT WELLS MTG500000140763

1/2 - 1 Mile Lower

> Mnumber: 180221 Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAY

Latitude: 45.792838 Longitude: -108.484034

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: ВС Isp sect: 34 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 16.5 Pwl: 0 Swl: 7.5 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344
Comp date: 03-FEB-00 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000140763

BA275 ENE 1/2 - 1 Mile Lower

Mnumber: 180219 Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAY

Latitude: 45.792838 Longitude: -108.484034 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 16.5 Pwl: 0 Swl: 7 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344
Comp date: 04-FEB-00 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000141204

BA276
ENE MT WELLS MTG500000142444

1/2 - 1 Mile Lower

Mnumber: 180218
Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAY

Latitude: 45.792838 Longitude: -108.484034

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: ВС Isp sect: 34 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 16.5 Pwl: 0 7 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344
Comp date: 04-FEB-00 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000142444

BA277 ENE 1/2 - 1 Mile Lower

Mnumber: 180217 Dnrc no: Not Reported

Site name: CONSOLIDATED FREIGHT WAY

Latitude: 45.792838 Longitude: -108.484034

TRS-SEC NAD83 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 34 Tract: BC WELL YELLOWSTONE County: Type:

Tot dept: 16.5 Pwl: 0 Swl: 7 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344
Comp date: 04-FEB-00 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Wqdata: N Site id: MTG500000142443

278 East MT WELLS MTG50000098759

Hydrograph:

Ν

East 1/2 - 1 Mile Lower

Mnumber: 126401
Dnrc no: Not Reported
Site name: AGRI SYSTEMS
Latitude: 45.787421
Longitude: -108.481421

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: 34 С County: YELLOWSTONE WELL Type:

Tot dept: 24 Pwl: 18 6 Swl: 6 Recov wl: 30 Yield: Test type: **PUMP** Test dur: 4 Recov tm: 1 Drillset: 0

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344
Comp date: 05-OCT-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000098759

BB279 SE 1/2 - 1 Mile Lower

Mnumber: 147366 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-18

Latitude: 45.7797 Longitude: -108.4836 Geomethod: UNKNOWN

Geomethod: UNKNOWN Datum: NAD27 Township: 01S Range: 26E

Isp sect:2Tract:Not ReportedCounty:YELLOWSTONEType:WELLTot dept:12.5

Pwl: 0 Swl: 4.9 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 09-MAR-94 Pws id: Not Reported Gwei id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000221586

1/2 - 1 Mile Lower

> Mnumber: 133222 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R15-A

Latitude: 45.779828 Longitude: -108.484076

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:2Tract:BDABCounty:YELLOWSTONEType:WELL

Tot dept: 13 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: ESD INC Lic no: Not Reported Comp date: 14-SEP-92 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000104234

BB281 ESE 1/2 - 1 Mile Lower

Mnumber: 129353
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-15

Latitude: 45.779828 Longitude: -108.484076

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BDAB

 County:
 YELLOWSTONE
 Type:
 WELL

19.5 Tot dept: Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000100158

AY282 NE MT WELLS MTG500000203927

1/2 - 1 Mile Lower

Mnumber: 265295
Dnrc no: Not Reported
Site name: GM PETROLEUM
Latitude: 45.794944
Longitude: -108.486222

WGS84 Geomethod: **NAV-GPS** Datum: Township: 01N 26E Range: Tract: ВС Isp sect: 34 County: YELLOWSTONE WELL Type:

Tot dept: 15
Pwl: 0
Swl: 7.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:HAZ TECH DRILLING INC.Lic no:MWC435Comp date:03-APR-12Pws id:Not ReportedGwsi id:Not ReportedData sour:DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000203927

AV283 ESE 1/2 - 1 Mile Lower

Mnumber: 129310 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R16-A

Latitude: 45.78166 Longitude: -108.482508 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BADA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 12 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 15-FEB-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100533

AY284
NE MT WELLS MTG500000203591

1/2 - 1 Mile Lower

Mnumber: 265296
Dnrc no: Not Reported
Site name: GM PETROLEUM

Latitude: 45.795
Longitude: -108.486139
Geomethod: NAV-GPS

WGS84 Geomethod: **NAV-GPS** Datum: Township: 01N 26E Range: Isp sect: Tract: ВС 34 County: YELLOWSTONE WELL Type:

Tot dept: 15
Pwl: 0
Swl: 7.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:HAZ TECH DRILLING INC.Lic no:MWC435Comp date:03-APR-12Pws id:Not ReportedGwsi id:Not ReportedData sour:DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000203591

AZ285 SE 1/2 - 1 Mile Lower

Mnumber: 93616
Dnrc no: Not Reported

Site name: BILLINGS REFINERY *R-33

Latitude: 45.777539 Longitude: -108.486427 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BDC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 20 Pwl: 0 Swl: 8 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING IN&ic no: WWC508
Comp date: 05-JAN-90 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG
Wqdata: N Hydrograph: N

Site id: MTG500000074826

AZ286 SE MT WELLS MTG500000102790

1/2 - 1 Mile Lower

> Mnumber: 129364 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-3

Latitude: 45.777539 Longitude: -108.486427

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: BDC Isp sect: 2 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 22.7 Pwl: 0 Swl: 12 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: 08-MAR-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000102790

BC287 ESE 1/2 - 1 Mile Lower

Mnumber: 129260 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-19

Latitude: 45.783377 Longitude: -108.481529 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 ABBBCB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 20 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 20-SEP-88 Pws id: Not Reported Gwei id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000100526

BD288
SE MT WELLS MTG500000221614

1/2 - 1 Mile Lower

> Mnumber: 147368 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-19

Latitude: 45.7788 Longitude: -108.4841 Geomethod: UNKNOWN

Geomethod:UNKNOWNDatum:NAD27Township:01SRange:26EIsp sect:2Tract:Not ReportedCounty:YELLOWSTONEType:WELL

Tot dept: 15 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 14-MAR-94 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000221614

289 SSW 1/2 - 1 Mile Higher

Mnumber: 263271
Dnrc no: Not Reported
Site name: WAGNER, MIKE
Latitude: 45.77485
Longitude: -108.504866
Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 WGS84

 Township:
 01S
 Range:
 26E

 Isp sect:
 3
 Tract:
 AC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 29 Pwl: 0 Swl: 21 Recov wl: 21 Yield: 25 AIR Test type: Test dur: 1 Recov tm: .5 Drillset: 28

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC659
Comp date: 06-SEP-11 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG
Wqdata: N Hydrograph: N

Site id: MTG500000201779

BE290 SW MT WELLS MTG500000199637

SW 1/2 - 1 Mile Higher

> Mnumber: 259807 Dnrc no: Not Reported

Site name: BNSF RAILWAY COMPANY

Latitude: 45.776583 Longitude: -108.509389

WGS84 Geomethod: **NAV-GPS** Datum: Township: 01S 26E Range: Isp sect: 3 Tract: CA County: YELLOWSTONE **BOREHOLE** Type:

Tot dept: 20
Pwl: 0
Swl: 0
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:HAZ TECH DRILLING INCLic no:MWC435Comp date:14-JAN-11Pws id:Not ReportedGwsi id:Not ReportedData sour:DRILLERWEB

Wqdata: N Hydrograph: N

Site id: MTG500000199637

BE291 SW 1/2 - 1 Mile Higher

259802 Mnumber: Dnrc no: Not Reported

BNSF RAILWAY COMPANY Site name:

45.776583 Latitude: -108.509389 Longitude:

NAV-GPS WGS84 Geomethod: Datum: Township: 01S Range: 26E Isp sect: Tract: CA **BOREHOLE** Type:

YELLOWSTONE County:

Tot dept: 19 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0

Not Reported Test type:

Test dur: 0 Recov tm: Drillset: 0

MWC435 Who drill: HAZ TECH DRILLING INC Lic no: 14-JAN-11 Comp date: Pws id: Not Reported Gwsi id: Not Reported Data sour: **DRILLERWEB**

Wqdata: Hydrograph:

MTG500000199738 Site id:

BD292 MT WELLS MTG500000163434

1/2 - 1 Mile Lower

> Mnumber: 211362 Dnrc no: Not Reported

CONOCO PHILLIPS, INC Site name:

45.778455 Latitude: Longitude: -108.48486

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: Isp sect: BD 2 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 20 Pwl: 0 6 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC MWC344 Lic no: Comp date: 03-JUN-04 Pws id: Not Reported

LOG Gwsi id: Not Reported Data sour: Wqdata: Ν Ν Hydrograph:

MTG500000163434 Site id:

BD293 SE 1/2 - 1 Mile

Lower

Mnumber: 211367
Dnrc no: Not Reported

Site name: CONOCO PHILLIPS, INC.

Latitude: 45.778455 Longitude: -108.48486 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 25 Pwl: 0 Swl: 6 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 02-JUN-04 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000164143

BD294 SE MT WELLS MTG500000163127

1/2 - 1 Mile Lower

> Mnumber: 211365 Dnrc no: Not Reported

Site name: CONOCO PHILLIPS, INC.

Latitude: 45.778455 Longitude: -108.48486

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 20 Pwl: 0 6 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: Not Reported Comp date: O3-JUN-04 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000163127

BD295 SE 1/2 - 1 Mile Lower

Mnumber: 129341 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-14

Latitude: 45.778455 Longitude: -108.48486

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 22.5 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 23-SEP-88 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000100364

BD296 SE MT WELLS MTG500000103538

1/2 - 1 Mile Lower

> Mnumber: 133219 Dnrc no: Not Reported

Site name: BILLINGS RIFINERY * R14-A

Latitude: 45.778455 Longitude: -108.48486 Geomethod: TRS-SFC

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: Isp sect: BD 2 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 13 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: ESD INC Lic no: Not Reported Comp date: 14-SEP-92 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000103538

BD297 SE 1/2 - 1 Mile

Lower

Mnumber: 225080 Dnrc no: Not Reported

Site name: CONOCO PHILLIPS INC.

Latitude: 45.778455 Longitude: -108.48486

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 12 Pwl: 0 Swl: 5 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 06-APR-06 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000178075

BD298
SE MT WELLS MTG500000178240

1/2 - 1 Mile Lower

Mnumber: 225088
Dnrc no: Not Reported

Site name: CONOCO PHILLIPS INC

Latitude: 45.778455 Longitude: -108.48486

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: Isp sect: Tract: BD 2 County: YELLOWSTONE WELL Type:

Tot dept: 12 Pwl: 0 Swl: 4.9 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 05-APR-06 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000178240

BD299 SE 1/2 - 1 Mile

Lower

Mnumber: 225092 Dnrc no: Not Reported

Site name: CONOCO PHILLIPS INC

Latitude: 45.778455 Longitude: -108.48486 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 12 Pwl: 0 Swl: 4.94 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 05-APR-06 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000179445

BD300 SE MT WELLS MTG500000176489

1/2 - 1 Mile Lower

> Mnumber: 225086 Dnrc no: Not Reported

Site name: CONOCO PHILLIPS INC

Latitude: 45.778455 Longitude: -108.48486

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: Isp sect: BD 2 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 12 Pwl: 0 Swl: 4.9 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 05-APR-06 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000176489

BD301 SE 1/2 - 1 Mile Lower

Mnumber: 211366 Dnrc no: Not Reported

Site name: CONOCO PHILLIPS, INC.

Latitude: 45.778455 Longitude: -108.48486 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 25 Pwl: 0 Swl: 6 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 03-JUN-04 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Wigdata: Not Reported Data sour: LOG Wigdata: Not Reported Hydrograph: N

Site id: MTG500000165133

BD302 SE MT WELLS MTG500000176125

1/2 - 1 Mile Lower

Mnumber: 225069
Dnrc no: Not Reported

Site name: CONOCO PHILLIPS INC.

Latitude: 45.778455 Longitude: -108.48486

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: Isp sect: Tract: BD 2 County: YELLOWSTONE WELL Type:

Tot dept: 12 Pwl: 0 Swl: 4.4 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAC TECH DRILLING Lic no: MWC344
Comp date: 05-APR-06 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000176125

BD303 SE 1/2 - 1 Mile Lower

Mnumber: 225078 Dnrc no: Not Reported

Site name: CONOCO PHILLIPS INC.

Latitude: 45.778455 Longitude: -108.48486 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 12 Pwl: 0 Swl: 5 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 06-APR-06 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000176127

BD304 SE MT WELLS MTG500000164144

1/2 - 1 Mile Lower

Mnumber: 211368
Dnrc no: Not Reported

Site name: CONOCO PHILLIPS INC.

Latitude: 45.778454 Longitude: -108.484859

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:2Tract:BDCounty:YELLOWSTONEType:WELL

Tot dept: 25 Pwl: 0 6 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 02-JUN-04 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000164144

BC305 ESE 1/2 - 1 Mile Lower

129257 Mnumber: Dnrc no:

Not Reported

BILLINGS REFINERY * R-18 Site name:

45.783263 Latitude: -108.481333 Longitude: TRS-SEC Geomethod:

NAD83 Datum: Township: 01S Range: 26E Isp sect: Tract: **ABBBC** YELLOWSTONE WELL County: Type:

Tot dept: 23.5 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: **BRAUN** Not Reported Lic no: 22-SEP-88 Not Reported Comp date: Pws id:

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000102777 Site id:

306 MT WELLS MTG500000004262 West

1/2 - 1 Mile Higher

> Mnumber: 11494 Dnrc no: Not Reported MASON, GLADYS M. Site name:

45.784922 Latitude: Longitude: -108.5164 TRS-SEC Geomethod:

NAD83 Datum: Township: 01N 26E Range: Isp sect: Tract: DCC 32 County: YELLOWSTONE WELL Type:

Tot dept: 20 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: UNKNOWN Not Reported Lic no: Comp date: 01-JAN-55 Pws id: Not Reported Not Reported GW4 Gwsi id: Data sour: Ν

Wqdata: Ν Hydrograph:

MTG500000004262 Site id:

BF307 SSE 1/2 - 1 Mile Lower

Mnumber: 240597
Dnrc no: Not Reported
Site name: CHS INC.
Latitude: 45.775367
Longitude: -108.489983
Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 WGS84

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 CC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 14
Pwl: 0
Swl: 7.31
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 11-DEC-07 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Site id: MTG500000186798

BG308 SW MT WELLS MTG500000184036

Hydrograph:

Ν

SW 1/2 - 1 Mile Higher

Wqdata:

Mnumber: 237628 Dnrc no: Not Reported

Site name: MONTANA DEQ* MW 07-13

Latitude: 45.778673 Longitude: -108.512785 Geomethod: TRS-SFC

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: ВС Isp sect: 3 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 24
Pwl: 0
Swl: 15
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 19-JUL-07 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000184036

BG309 SW 1/2 - 1 Mile Higher

231659 Mnumber: Dnrc no: Not Reported Site name: **BAILEY BUZZ** 45.778673 Latitude: -108.512785 Longitude: TRS-SEC Geomethod:

NAD83 Datum: Township: 01S Range: 26E Isp sect: Tract: BC WELL YELLOWSTONE County: Type:

Tot dept: 28 Pwl: 0 Swl: 0 Recov wl: 18 Yield: 15 AIR Test type: Test dur: 2 Recov tm: .08 Drillset: 29

WWC527 Who drill: GARY MAYES DRILLING INC Lic no: 12-SEP-06 Not Reported Comp date: Pws id: Gwsi id: Not Reported Data sour: LOG

Wqdata: Hydrograph: Ν

MTG500000180504 Site id:

BG310 SW 1/2 - 1 Mile MT WELLS MTG500000184037

Higher

Mnumber: 237630 Dnrc no: Not Reported

MONTANA DEQ* MW 07-11 Site name:

Latitude: 45.778673 Longitude: -108.512785 Geomethod: TRS-SEC

NAD83 Datum: Township: 01S 26E Range: ВС Isp sect: 3 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 24 Pwl: 0 Swl: 15 0 Recov wl: 0 Yield:

Test type: Not Reported

Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC MWC344 Lic no: Comp date: 19-JUL-07 Pws id: Not Reported

LOG Gwsi id: Not Reported Data sour: Wqdata: Ν Ν Hydrograph:

MTG500000184037 Site id:

BG311 SW 1/2 - 1 Mile Higher

Mnumber: 237629 Dnrc no: Not Reported

Site name: MONTANA DEQ* MW 07-12

Latitude: 45.778673 Longitude: -108.512785 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 3
 Tract:
 BC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 24
Pwl: 0
Swl: 15
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 18-JUL-07 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Site id: MTG500000184538

BH312 ESE MT WELLS MTG500000100485

Hydrograph:

Ν

1/2 - 1 Mile Lower

Wqdata:

Mnumber: 129311 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-17

Latitude: 45.780744 Longitude: -108.482508 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:2Tract:BADDCounty:YELLOWSTONEType:WELL

Tot dept: 18.5 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: Not Reported Comp date: 22-SEP-88 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000100485

BH313 ESE 1/2 - 1 Mile Lower

129312 Mnumber: Dnrc no: Not Reported

BILLINGS REFINERY * R-25 Site name:

45.780744 Latitude: -108.482508 Longitude: TRS-SEC Geomethod:

NAD83 Datum: Township: 01S Range: 26E Isp sect: Tract: BADD YELLOWSTONE WELL County: Type:

Tot dept: 8 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: **BRAUN** Not Reported Lic no: 23-SEP-88 Not Reported Comp date: Pws id:

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: Ν

MTG500000100486 Site id:

BE314 SW 1/2 - 1 Mile MT WELLS MTG500000123185

Higher

Mnumber: 157681 Dnrc no: Not Reported

GARFIELD SCHOOL * MW-1 Site name:

45.775978 Latitude: Longitude: -108.508767

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: Isp sect: Tract: CAB 3 County: YELLOWSTONE WELL Type:

Tot dept: 19 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HANSEN ENVIRONMENTAL DRILIGING WWC230 Comp date: 08-AUG-96 Pws id: Not Reported

Not Reported LOG Gwsi id: Data sour: Wqdata: Ν Ν Hydrograph:

MTG500000123185 Site id:

315 West 1/2 - 1 Mile Higher

Mnumber: 162115 Dnrc no: C099281-00

DITIC 110. C099201-00

Site name: TROWER, SUZANNE / MOSES, WILMA

Latitude: 45.788539 Longitude: -108.5164

TRS-SEC NAD83 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 32 Tract: DBC YELLOWSTONE WELL County: Type:

Tot dept: 28 Pwl: 10 Swl: 7 Recov wl: 0 Yield: 20 PUMP Test type: Test dur: 4 Recov tm: 0 Drillset: 0

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344
Comp date: 20-SEP-96 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG
Wqdata: N Hydrograph: N

Site id: MTG500000128431

316

1/2 - 1 Mile Lower

> Mnumber: 93620 Dnrc no: 54013

Site name: US POSTAL SERVICE - BILLINGS

Latitude: 45.774791 Longitude: -108.49113

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: СВ Isp sect: 2 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 35 Pwl: 22 Swl: 11 0 Recov wl: 325 Yield: Test type: **PUMP** Test dur: 8 Recov tm: 0 Drillset: 0

Who drill: BILLINGS Lic no: WWC264
Comp date: 29-AUG-83 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000076140

317 ESE 1/2 - 1 Mile Lower

MT WELLS MTG500000102779

MT WELLS

MTG500000076140

Mnumber: 129266
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-1

Latitude: 45.782347 Longitude: -108.481333 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 ABBCC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 17.2 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: 07-MAR-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG

Wqdata: N Site id: MTG500000102779

BA318
ENE MT WELLS MTG50000074956

Hydrograph:

Ν

1/2 - 1 Mile Lower

Mnumber: 94217
Dnrc no: Not Reported
Site name: NAVISTAR
Latitude: 45.793064
Longitude: -108.483054
Geomethod: TRS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: **BCACD** 34 County: YELLOWSTONE WELL Type:

Tot dept: 20 Pwl: 0 8 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: BRAUN Lic no: MWC1
Comp date: 06-JUL-89 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000074956

BA319 ENE 1/2 - 1 Mile Lower

Mnumber: 94216
Dnrc no: Not Reported
Site name: NAVISTAR
Latitude: 45.793064
Longitude: -108.483054
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BCACD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 20 Pwl: 0 Swl: 9 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill:BRAUNLic no:MWC1Comp date:06-JUL-89Pws id:Not ReportedGwsi id:Not ReportedData sour:LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000078524

BF320 SSE MT WELLS MTG500000186799

1/2 - 1 Mile Lower

Mnumber: 240598
Dnrc no: Not Reported
Site name: CHS INC.
Latitude: 45.774933
Longitude: -108.490517
Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 WGS84

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 CC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 15
Pwl: 0
Swl: 6.35
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 11-DEC-07 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Hydrograph: N

Site id: MTG500000186799

BB321 ESE 1/2 - 1 Mile Lower

Mnumber: 129342 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * BW-3

Latitude: 45.779371 Longitude: -108.483292 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BDA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 29.5 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: 22-MAR-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG

Site id: MTG500000100536

322 NW MT WELLS MTG50000002455

Hydrograph:

Ν

1/2 - 1 Mile Higher

Wqdata:

Mnumber: 11482
Dnrc no: Not Reported
Site name: HEREIM, RICHARD

Latitude: 45.794868
Longitude: -108.512485
Geomethod: TRS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: Tract: 32 County: YELLOWSTONE WELL Type: 21

Tot dept: Pwl: 12 Swl: 13 0 Recov wl: 55 Yield: Test type: **PUMP** Test dur: 5 Recov tm: 0 Drillset: 0

Who drill: Not Reported Lic no: Not Reported Comp date: 26-JUN-73 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000002455

323 SSW 1/2 - 1 Mile Higher

Mnumber: 217518
Dnrc no: Not Reported
Site name: CITY OF BILLINGS

Latitude: 45.775079 Longitude: -108.507427

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 3
 Tract:
 CA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 15 Pwl: 0 Swl: 8.1 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 02-MAR-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000170140

BI324
NE MT WELLS MTG500000171030

1/2 - 1 Mile Lower

Mnumber: 218959
Dnrc no: Not Reported

Site name: CON-WAY TRANSPORTATION CO

Latitude: 45.795547 Longitude: -108.485341

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: BBC Isp sect: 34 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 25 Pwl: 0 18 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 11-MAY-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000171030

BI325 NE 1/2 - 1 Mile Lower

Mnumber: 219658
Dnrc no: Not Reported

Site name: CON-WAY TRANSPORTATION CO.

Latitude: 45.795547 Longitude: -108.485341

TRS-SEC NAD83 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 34 Tract: **BBC** WELL YELLOWSTONE County: Type:

25 Tot dept: Pwl: 0 Swl: 18 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 15-JUN-05 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000171260

BI326
NE MT WELLS MTG500000171595

1/2 - 1 Mile Lower

> Mnumber: 218962 Dnrc no: Not Reported

Site name: CON-WAY TRANSPORTATION CO

Latitude: 45.795547 Longitude: -108.485341

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: BBC Isp sect: 34 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 25 Pwl: 0 18 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 11-MAY-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000171595

BI327 NE 1/2 - 1 Mile Lower

Mnumber: 219659
Dnrc no: Not Reported

Site name: CON-WAY TRANSPORTATION CO.

Latitude: 45.795547 Longitude: -108.485341

TRS-SEC NAD83 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 34 Tract: **BBC** WELL YELLOWSTONE County: Type:

25 Tot dept: Pwl: 0 Swl: 18 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 15-JUN-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000170698

BI328
NE MT WELLS MTG500000170283

1/2 - 1 Mile Lower

Mnumber: 218957
Dnrc no: Not Reported

Site name: CON-WAY TRANSPORTATION CO

Latitude: 45.795547 Longitude: -108.485341

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: BBC Isp sect: 34 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 25 Pwl: 0 18 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 11-MAY-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000170283

BI329 NE 1/2 - 1 Mile Lower

Mnumber: 218954
Dnrc no: Not Reported

Site name: CON-WAY TRANSPORTATION CO

Latitude: 45.795547 Longitude: -108.485341

TRS-SEC NAD83 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 34 Tract: **BBC** WELL YELLOWSTONE County: Type:

25 Tot dept: Pwl: 0 Swl: 18 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 10-MAY-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000170295

BI330 MT WELLS MTG500000170518

1/2 - 1 Mile Lower

Mnumber: 218955
Dnrc no: Not Reported

Site name: CON-WAY TRANSPORTATION CO

Latitude: 45.795547 Longitude: -108.485341

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: BBC Isp sect: 34 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 25 Pwl: 0 18 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 10-MAY-05 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000170518

BI331 NE 1/2 - 1 Mile Lower

Mnumber: 248878
Dnrc no: Not Reported
Site name: CON-WAY FREIGHT

Latitude: 45.795547 Longitude: -108.485341 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BBC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 22
Pwl: 0
Swl: 13.6
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: MWC417
Comp date: 03-DEC-08 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000190963

BI332 NE MT WELLS MTG500000191628

1/2 - 1 Mile Lower

Mnumber: 248877
Dnrc no: Not Reported
Site name: CON-WAY FREIGHT

Latitude: 45.795547
Longitude: -108.485341
Geomethod: TRS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: BBC Isp sect: 34 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 24
Pwl: 0
Swl: 14
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: MWC417
Comp date: 02-DEC-08 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000191628

BI333 NE 1/2 - 1 Mile Lower

Mnumber: 248884
Dnrc no: Not Reported
Site name: CON-WAY FREIGHT

Latitude: 45.795547 Longitude: -108.485341 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BBC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 26
Pwl: 0
Swl: 16.6
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: MWC417
Comp date: 05-DEC-08 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Site id: MTG500000191629

BI334
NE MT WELLS MTG500000197580

Hydrograph:

Ν

1/2 - 1 Mile Lower

Wqdata:

Mnumber: 256938
Dnrc no: Not Reported
Site name: CONWAY FREIGHT

Latitude: 45.795547
Longitude: -108.485341
Geomethod: TRS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: BBC Isp sect: 34 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 24 Pwl: 0 Swl: 15.6 0 Recov wl: 40 Yield: Test type: **PUMP** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: CLAYTON LARSON Lic no: MWC417
Comp date: 30-JUN-10 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000197580

BI335 NE 1/2 - 1 Mile Lower

Mnumber: 248881
Dnrc no: Not Reported
Site name: CON-WAY FREIGHT

Latitude: 45.795547 Longitude: -108.485341 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BBC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 26
Pwl: 0
Swl: 16
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: MWC417
Comp date: 05-DEC-08 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000191333

BI336
NE MT WELLS MTG500000190964

1/2 - 1 Mile Lower

Mnumber: 248880
Dnrc no: Not Reported
Site name: CON-WAY FREIGHT

Latitude: 45.795547 Longitude: -108.485341 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:34Tract:BBCCounty:YELLOWSTONEType:WELL

Tot dept: 21
Pwl: 0
Swl: 10
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: MWC417
Comp date: 04-DEC-08 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000190964

BI337 NE 1/2 - 1 Mile Lower

Mnumber: 24882
Dnrc no: Not Reported
Site name: CON-WAY FREIGHT

Latitude: 45.795547 Longitude: -108.485341 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BBC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 24
Pwl: 0
Swl: 16.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: MWC417
Comp date: 04-DEC-08 Pws id: Not Reported
Gwei id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000190965

BI338
NE MT WELLS MTG500000191332

1/2 - 1 Mile Lower

Mnumber: 248879
Dnrc no: Not Reported
Site name: CON-WAY FREIGHT

Latitude: 45.795547
Longitude: -108.485341
Geomethod: TRS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: BBC Isp sect: 34 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 21
Pwl: 0
Swl: 11.6
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: MWC417
Comp date: 03-DEC-08 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000191332

BH339 ESE 1/2 - 1 Mile Lower

Mnumber: 129351 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * PZ-12

Latitude: 45.779828 Longitude: -108.482508 Geomethod: TRS-SEC

Geomethod: TRS-SEC Datum: NAD83
Township: 01S Range: 26E
Isp sect: 2 Tract: BDAA
County: YELLOWSTONE Type: WELL

Tot dept: 19 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: 22-FEB-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG

Wqdata: N Site id: MTG500000100157

BH340
ESE MT WELLS MTG500000100573

Hydrograph:

Ν

1/2 - 1 Mile Lower

Mnumber: 129349
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * PZ-11

Latitude: 45.779828 Longitude: -108.482508

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BDAA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 23.6 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: 19-FEB-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100573

BH341 ESE 1/2 - 1 Mile Lower

Mnumber: 129347
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * PZ-10

Latitude: 45.779828 Longitude: -108.482508

Geomethod: TRS-SEC Datum: NAD83
Township: 01S Range: 26E
Isp sect: 2 Tract: BDAA
County: YELLOWSTONE Type: WELL

Tot dept: 21.3 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: 20-FEB-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG

Wqdata: N Site id: MTG500000100552

BH342
ESE MT WELLS MTG500000100490

Hydrograph:

Ν

1/2 - 1 Mile Lower

Mnumber: 129344
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * PZ-9

Latitude: 45.779828 Longitude: -108.482508

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:2Tract:BDAACounty:YELLOWSTONEType:WELL

Tot dept: 25 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: ADVANCED WELL DRILLING IN&ic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100490

343

East 1/2 - 1 Mile Lower

Mnumber: 185614
Dnrc no: Not Reported
Site name: CONOCO INC.
Latitude: 45.784711
Longitude: -108.480113
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 CDC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 23.5 Pwl: 0 Swl: 9.5 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344
Comp date: 20-NOV-00 Pws id: Not Reported
Gwei id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000143677

BF344
SSE MT WELLS MTG500000186452

1/2 - 1 Mile Lower

Mnumber: 240596
Dnrc no: Not Reported
Site name: CHS INC.
Latitude: 45.774683
Longitude: -108.490333

Geomethod: NAV-GPS Datum: WGS84
Township: 01S Range: 26E
Isp sect: 2 Tract: CC
County: YELLOWSTONE Type: WELL

Tot dept: 14
Pwl: 0
Swl: 6.62
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 11-DEC-07 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000186452

BF345 SSE 1/2 - 1 Mile Lower

Mnumber: 240594
Dnrc no: Not Reported
Site name: CHS INC.
Latitude: 45.77455
Longitude: -108.490483
Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 WGS84

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 CC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 14
Pwl: 0
Swl: 5.25
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 12-DEC-07 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Site id: MTG500000186776

BF346
SSE MT WELLS MTG500000187200

Hydrograph:

Ν

1/2 - 1 Mile Lower

Wqdata:

Mnumber: 240599
Dnrc no: Not Reported
Site name: CHS INC.
Latitude: 45.774633
Longitude: -108.4901
Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 WGS84

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 CC

 County:
 YELLOWSTONE
 Type:
 WELL

 Tot dept:
 157

Pwl: 0
Swl: 8.07
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: HAZ TECH DRILLING INC Lic no: MWC344
Comp date: 12-DEC-07 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000187200

347 SSW 1/2 - 1 Mile Higher

Mnumber: 93640
Dnrc no: Not Reported
Site name: ORTIZ EDWIN
Latitude: 45.774181
Longitude: -108.506088
Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:3Tract:CADCounty:YELLOWSTONEType:WELL

Tot dept: 22 Pwl: 7 Swl: 7 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: 0 Drillset: 0

Who drill:KUCKLic no:Not ReportedComp date:09-AUG-78Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000076585

BJ348
WNW MT WELLS MTG50000002014
1/2 - 1 Mile

Higher

Mnumber: 11483 Dnrc no: C001110-00

Site name: CITY OF BILLINGS ATHLETIC PARK

Latitude: 45.79306 Longitude: -108.515095 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 32
 Tract:
 AC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 28 Pwl: 25 Swl: 12 0 Recov wl: 125 Yield: Test type: **PUMP** Test dur: 4 Recov tm: 0 Drillset: 0

Who drill: Not Reported Lic no: WWC230 Comp date: 01-OCT-73 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000002014

BJ349 WNW 1/2 - 1 Mile Higher

Mnumber: 11484 Dnrc no: C002747-00

Site name: CITY OF BILLINGS & ATHLETIC PARK

Latitude: 45.79306 Longitude: -108.515095 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 32
 Tract:
 AC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 27 Pwl: 21 Swl: 12 Recov wl: 0 Yield: 90 OTHER Test type: Test dur: 4 Recov tm: 0 Drillset: 0

Who drill:Not ReportedLic no:WWC230Comp date:01-MAY-73Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG50000003668

BK350
ENE MT WELLS MTG500000229899

1/2 - 1 Mile Lower

Mnumber: 273558
Dnrc no: Not Reported

Site name: YALE OIL COMPANY ERA HYDROMETRICS

Latitude: 45.7926 Longitude: -108.481 Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 NAD27

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 15
Pwl: 0
Swl: 9.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: MWC476
Comp date: 24-APR-13 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000229899

BL351 ESE 1/2 - 1 Mile Lower

Mnumber: 129358
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * PZ-16

Latitude: 45.778913 Longitude: -108.482508 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BDAD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 23.5 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INŒic no: Not Reported Comp date: 27-FEB-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Wqdata: N Site id: MTG500000100553

BL352
ESE MT WELLS MTG500000100539

1/2 - 1 Mile Lower

Mnumber: 129359
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * OR-2

Latitude: 45.778913 Longitude: -108.482508

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: **BDAD** Isp sect: 2 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 18.7 Pwl: 0 Swl: 8.5 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: ADVANCED WELL DRILLING INCic no: Not Reported Comp date: 98-MAR-91 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000100539

BL353 ESE 1/2 - 1 Mile Lower

Mnumber: 129357
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * PZ-15

Latitude: 45.778913 Longitude: -108.482508 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BDAD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 20 Pwl: 0 Swl: 0 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INŒic no: Not Reported Comp date: 27-FEB-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000102789

BL354
ESE MT WELLS MTG500000102788

1/2 - 1 Mile Lower

Mnumber: 129355
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * PZ-13

Latitude: 45.778913 Longitude: -108.482508

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BDAD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 28.4 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000102788

BL355 ESE 1/2 - 1 Mile Lower

Mnumber: 129356
Dnrc no: Not Reported

Site name: BILLINGS REFINERY * PZ-14

Latitude: 45.778913 Longitude: -108.482508 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 BDAD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 26.2 Pwl: 0 Swl: 7 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset:

Who drill: ADVANCED WELL DRILLING INC ic no: Not Reported Comp date: 27-FEB-91 Pws id: Not Reported Gwsi id: Not Reported Data sour: LOG

Wigdata: Not Reported Data sour: LO Wigdata: N Hydrograph: N

Site id: MTG500000100574

356
ESE MT WELLS MTG500000102871

1/2 - 1 Mile Lower

> Mnumber: 129267 Dnrc no: Not Reported

Site name: BILLINGS REFINERY * R-16A

Latitude: 45.780744 Longitude: -108.480941

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 ABCC

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 16.5 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: ADVANCED WELL DRILLING INCic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000102871

357 SE MT WELLS MTG500000125740

SE 1/2 - 1 Mile Lower

TC4387262.2s Page A-196

Mnumber: 160973
Dnrc no: Not Reported
Site name: PIERCE FLOORING

Latitude: 45.775707 Longitude: -108.486427 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 2
 Tract:
 CAB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 24 Pwl: 12 Swl: 10 Recov wl: 0 Yield: 30 PUMP Test type: Test dur: 4 Recov tm: 0 Drillset:

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344
Comp date: 21-MAR-95 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000125740

358 SW MT WELLS MTG500000160724 1/2 - 1 Mile

1/2 - 1 Mile Higher

> Mnumber: 191927 Dnrc no: Not Reported

Site name: WEISSMAN AND SONS CARL

Latitude: 45.775978 Longitude: -108.511445

NAD83 Geomethod: TRS-SEC Datum: Township: 01S 26E Range: Isp sect: CBA 3 Tract: County: YELLOWSTONE WELL Type:

Tot dept: 20 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: HANSEN ENVIRONMENTAL DRILIDING: WWC230
Comp date: 13-JUL-01 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000160724

BM359 ENE 1/2 - 1 Mile Lower

Mnumber: 273559
Dnrc no: Not Reported

Site name: YALE OIL COMPANY ERA HYDROMETRICS

Latitude: 45.79358 Longitude: -108.481 Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 NAD27

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 15
Pwl: 0
Swl: 10.3
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill:SK GEOTECHNICAL COLic no:MWC476Comp date:23-APR-13Pws id:Not ReportedGwsi id:Not ReportedData sour:LOGWqdata:NHydrograph:N

 Wqdata:
 N

 Site id:
 MTG500000229920

BN360
WSW
MT WELLS MTG50000088649
1/2 - 1 Mile

Higher

Mnumber: 93668
Dnrc no: Not Reported

Site name: COLLINS WILLIAM T.

Latitude: 45.782315 Longitude: -108.517902 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01SRange:26EIsp sect:4Tract:AACounty:YELLOWSTONEType:WELL

Tot dept: 25 Pwl: 12 Swl: 13 0 Recov wl: 55 Yield: Test type: **PUMP** Test dur: 4 Recov tm: 0 Drillset: 0

Who drill: TIPPETS Lic no: Not Reported Comp date: 03-MAY-72 Pws id: Not Reported Gwsi id: Not Reported Data sour: GW2

Wqdata: N Hydrograph:
Site id: MTG50000088649

BN361 WSW 1/2 - 1 Mile Higher

MT WELLS MTG500000168892

Ν

Mnumber: 204427
Dnrc no: Not Reported
Site name: KALANICK AJ
Latitude: 45.782315
Longitude: -108.517902
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01S
 Range:
 26E

 Isp sect:
 4
 Tract:
 AA

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 25 Pwl: 0 Swl: 12 Recov wl: 12 Yield: 25 AIR Test type: Test dur: 1.5 Recov tm: .5 Drillset: 24

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344
Comp date: 04-APR-03 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG
Wqdata: N Hydrograph: N

Wqdata: N Site id: MTG500000168892

BO362
ENE MT WELLS MTG500000139328

1/2 - 1 Mile Lower

Mnumber: 179480
Dnrc no: Not Reported
Site name: CONOCO INC.
Latitude: 45.789226
Longitude: -108.478806
Geomethod: TPS SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: 34 Tract: CA County: YELLOWSTONE WELL Type:

Tot dept: 15 Pwl: 0 Swl: 11 0 Recov wl: Yield: 0 Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344
Comp date: 30-MAR-00 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000139328

BO363 ENE 1/2 - 1 Mile Lower

Mnumber: 179477
Dnrc no: Not Reported
Site name: CONOCO INC.
Latitude: 45.789226
Longitude: -108.478806
Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:34Tract:CACounty:YELLOWSTONEType:WELL

Tot dept: 18 Pwl: 0 Swl: 11 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344
Comp date: 29-MAR-00 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Wigdata: Not Reported Data sour: LO Wigdata: N Hydrograph: N

Site id: MTG500000140323

BO364
ENE MT WELLS MTG500000140397

1/2 - 1 Mile Lower

Mnumber: 179478
Dnrc no: Not Reported
Site name: CONOCO INC.
Latitude: 45.789226
Longitude: -108.478806
Geomethod: TRS-SEC

NAD83 Geomethod: TRS-SEC Datum: Township: 01N 26E Range: Isp sect: 34 Tract: CA County: YELLOWSTONE WELL Type:

Tot dept: 18 Pwl: 0 Swl: 11 0 Recov wl: Yield: 0 Test type: **OTHER** Test dur: Recov tm: 0 Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344
Comp date: 28-MAR-00 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000140397

BO365 ENE 1/2 - 1 Mile Lower

Mnumber: 179479
Dnrc no: Not Reported
Site name: CONOCO INC.
Latitude: 45.789226
Longitude: -108.478806
Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:34Tract:CACounty:YELLOWSTONEType:WELL

Tot dept: 18 Pwl: 0 Swl: 11.5 Recov wl: 0 Yield: 0 OTHER Test type: Test dur: 0 Recov tm: Drillset: 0

Who drill: MAXIM TECHNOLOGIES Lic no: MWC344

Comp date: 29-MAR-00 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000140324

BK366
ENE MT WELLS MTG500000229889

1/2 - 1 Mile Lower

Mnumber: 273556
Dnrc no: Not Reported

Site name: YALE OIL COMPANY ERA HYDROMETRICS

Latitude: 45.79316 Longitude: -108.48 Geomethod: NAV-GPS

 Geomethod:
 NAV-GPS
 Datum:
 NAD27

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BD

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 15
Pwl: 0
Swl: 11.4
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: WWC476
Comp date: 26-APR-13 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000229889

BP367 WNW 1/2 - 1 Mile Higher

Mnumber: 11480
Dnrc no: Not Reported
Site name: WALSH, CLETUS J.

Latitude: 45.791252 Longitude: -108.517705 Geomethod: TRS-SEC

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E

 Isp sect:
 32
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 25 Pwl: 0 Swl: 14 Recov wl: 0 Yield: 40 Test type: PUMP Test dur: 4 Recov tm: 0 Drillset: 0

Who drill: L & D DRILLING Lic no: WWC188
Comp date: 05-AUG-69 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000002671

BP368
WNW
MT WELLS MTG50000003667
1/2 - 1 Mile

Higher

 Mnumber:
 11477

 Dnrc no:
 C018720-00

 Site name:
 GALLES, DEAN

 Latitude:
 45.791252

 Longitude:
 -108.517705

 Geomethod:
 TRS-SEC

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E

 Isp sect:
 32
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 52 Pwl: 40 33 Swl: 0 Recov wl: 12 Yield: Test type: **PUMP** Test dur: Recov tm: 0 Drillset: 0

Who drill: DIGGER DRILLING Lic no: WWC197
Comp date: 09-MAY-78 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG50000003667

BP369 WNW 1/2 - 1 Mile Higher

Mnumber: 11476
Dnrc no: Not Reported
Site name: STRICKER, VIC
Latitude: 45.791252
Longitude: -108.517705
Geomethod: TRS-SEC

Geomethod: TRS-SEC Datum: NAD83
Township: 01N Range: 26E

 Isp sect:
 32
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 25 Pwl: 12 Swl: 11 Recov wl: 0 Yield: 20 PUMP Test type: Test dur: 4 Recov tm: 0 Drillset:

Who drill: WEBER DRILLING COMPANY Lic no: WWC255
Comp date: 08-MAR-74 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000001503

BP370 WNW MT WELLS MTG500000002670 1/2 - 1 Mile

Higher

Mnumber: 11478
Dnrc no: Not Reported

Site name: BALTRUSCH, OSCAR W.

Latitude: 45.791252 Longitude: -108.517705 Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:32Tract:Not ReportedCounty:YELLOWSTONEType:WELL

Tot dept: 19 Pwl: 10 Swl: 10 0 Recov wl: Yield: 15 Test type: **OTHER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: MCCRACKEN Lic no: Not Reported Comp date: 19-MAY-61 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG50000002670

BP371 WNW 1/2 - 1 Mile Higher

Mnumber: 145302
Dnrc no: Not Reported
Site name: OWENS, DICK
Latitude: 45.791252
Longitude: -108.517705
Geomethod: TRS-SEC

Geomethod: TRS-SEC Datum: NAD83
Township: 01N Range: 26E

 Isp sect:
 32
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 27.5 Pwl: 0 Swl: 12 Recov wl: 0 Yield: 15 Test type: PUMP Test dur: 4 Recov tm: 0 Drillset: 0

Who drill: PINNOW DRILLING Lic no: WWC320
Comp date: 19-APR-89 Pws id: Not Reported
Gwsi id: Not Reported Data sour: LOG

Wigdata: Not Reported Data sour: LOG Wigdata: Not Reported Hydrograph: N

Site id: MTG500000113537

BP372 WNW MT WELLS MTG500000185174 1/2 - 1 Mile

Higher

Mnumber: 238644
Dnrc no: Not Reported
Site name: LINDSAY W.W.
Latitude: 45.791252
Longitude: -108.517705
Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:32Tract:Not ReportedCounty:YELLOWSTONEType:WELL

Tot dept: 23.5 Pwl: 0 0 Swl: 0 Recov wl: 0 Yield: Test type: **BAILER** Test dur: 0 Recov tm: 0 Drillset: 0

Who drill: Not Reported Lic no: WWC18
Comp date: 02-JAN-32 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000185174

BP373 WNW 1/2 - 1 Mile Higher

Mnumber: 11479
Dnrc no: Not Reported
Site name: PASLEY, LEE
Latitude: 45.791252
Longitude: -108.517705
Geomethod: TRS-SEC

Geomethod: TRS-SEC Datum: NAD83 Township: 01N Range: 26E

 Isp sect:
 32
 Tract:
 Not Reported

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 25 Pwl: 7 Swl: 6 Recov wl: 0 Yield: 34 PUMP Test type: Test dur: 3.5 Recov tm: Drillset: 0

Who drill: Not Reported Lic no: Not Reported Comp date: Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000004260

BP374
WNW
MT WELLS MTG50000004261
1/2 - 1 Mile

Type:

Higher

Mnumber: 11481
Dnrc no: Not Reported
Site name: WALSH, CLETUS J

Site name: WALSH, CLETUS
Latitude: 45.791252
Longitude: -108.517705
Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:32Tract:Not Reported

County: YELLOWSTONE Tot dept: 26 Pwl: 0 Swl: 15 0 Recov wl: 40 Yield: Test type: **PUMP** Test dur: 4 Recov tm: 0

Drillset:0Who drill:L & D DRILLINGLic no:WWC188Comp date:19-AUG-69Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000004261

375 West 1/2 - 1 Mile Higher

MT WELLS MTG50000001228

WELL

Mnumber: 11489
Dnrc no: Not Reported
Site name: BASSO, GARY
Latitude: 45.786731
Longitude: -108.51901
Geomethod: TRS-SEC

Geomethod:TRS-SECDatum:NAD83Township:01NRange:26EIsp sect:32Tract:CDACounty:YELLOWSTONEType:WELL

Tot dept: 25 Pwl: 25 Swl: 13 Recov wl: 0 Yield: 20 PUMP Test type: Test dur: 2 Recov tm: 0 Drillset: 0

Who drill: Not Reported Lic no: Not Reported Comp date: 23-MAY-74 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000001228

BM376
ENE MT WELLS MTG500000229898

1/2 - 1 Mile Lower

Mnumber: 273557
Dnrc no: Not Reported

Site name: YALE OIL COMPANY ERA HYDROMETRICS

Latitude: 45.79336 Longitude: -108.48 Geomethod: NAV-GPS

Geomethod:NAV-GPSDatum:NAD27Township:01NRange:26EIsp sect:34Tract:BDCounty:YELLOWSTONEType:WELL

Tot dept: 15
Pwl: 0
Swl: 10.5
Recov wl: 0
Yield: 0

Test type: Not Reported

Test dur: 0
Recov tm: 0
Drillset: 0

Who drill: SK GEOTECHNICAL CO Lic no: MWC476
Comp date: 30-APR-13 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000229898

377 NE 1/2 - 1 Mile Lower

MT WELLS MTG50000001232

Mnumber: 11522 Dnrc no: 4552

Site name: CHARBONNEAU, R. W.

Latitude: 45.79645 Longitude: -108.484034 Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 34
 Tract:
 BB

 County:
 YELLOWSTONE
 Type:
 WELL

Tot dept: 130 Pwl: 80 Swl: 70 Recov wl: 0 Yield: 20 Test type: PUMP Test dur: 4 Recov tm: 0 Drillset: 0

Who drill:DIGGER DRILLINGLic no:WWC197Comp date:20-NOV-74Pws id:Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: Not Reported Hydrograph: N

Site id: MTG500000001232

378 South MT WELLS MTG500000205490

1/2 - 1 Mile Lower

Mnumber: 269544
Dnrc no: Not Reported
Site name: CHONG YU, MINA

Latitude: 45.772194
Longitude: -108.495988
Geomethod: SUR-GPS

WGS84 Datum: Township: 01S Range: 26E Isp sect: Tract: DD 3 County: YELLOWSTONE WELL Type: Tot dept: 23

Pwl: 0 9 Swl: 9 Recov wl: 30 Yield: Test type: AIR Test dur: 1 Recov tm: .5 Drillset: 22

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC659
Comp date: 09-OCT-12 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000205490

BQ379 West 1/2 - 1 Mile Higher

MT WELLS MTG500000002057

Mnumber: 11490
Dnrc no: C000669-00
Site name: CAREW, CHARLES

Latitude: 45.784922 Longitude: -108.51901

TRS-SEC NAD83 Geomethod: Datum: Township: 01N Range: 26E Isp sect: 32 Tract: CDD WELL YELLOWSTONE County: Type:

Tot dept: 21 Pwl: 10 Swl: 9 Recov wl: 0 Yield: 34 PUMP Test type: Test dur: 4 Recov tm: 0

Who drill: Not Reported Lic no: Not Reported Comp date: 11-JUL-73 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000002057

0

BQ380
West MT WELLS MTG500000125105
1/2 - 1 Mile

Higher

Drillset:

 Mnumber:
 159596

 Dnrc no:
 C097569-00

 Site name:
 LINDERMAN, E. F.

Linderman,
Latitude: 45.784922
Longitude: -108.51901
Geomethod: TRS-SEC

 Geomethod:
 TRS-SEC
 Datum:
 NAD83

 Township:
 01N
 Range:
 26E

 Isp sect:
 32
 Tract:
 CDD

 County:
 YELLOWSTONE
 Type:
 WELL

 Tot dept:
 26

Tot dept: Pwl: 19 Swl: 17 0 Recov wl: 22 Yield: Test type: **PUMP** Test dur: 4 Recov tm: 0 Drillset: 0

Who drill: AMERICAN DRILLING & SUPPLYLic no: WWC344
Comp date: 25-APR-96 Pws id: Not Reported

Gwsi id: Not Reported Data sour: LOG Wqdata: N Hydrograph: N

Site id: MTG500000125105

Map ID Direction Distance

Database **EDR ID Number**

A2 ENE 1/2 - 1 Mile

OIL_GAS MTOG2000000130 Coname:

Type:

Completed:

Monarch Oil & Gas

Dry Hole

01/01/1916

Monarch Oil & Gas

Dry Hole

06/01/1916

Api wellno: 25111050900000

Well nm:

Status: Unknown Mapsymbol: UN Wh twpn: 1

Wh twpd: Ν Wh rngn: 26 Ε Wh rngd: Wh sec: 34 Wh qtr: SW NW

St fldno: 0

Prod field: Not Reported Field no:

11111 Wildcat Yellowstone, N Reg field:

Dtd: 1020

MTOG20000000130 Site id:

A1 ENE OIL_GAS MTOG2000000132 1/2 - 1 Mile

Type:

Coname:

Api wellno: 25111600210000 Well nm: MONARCH 1

Status: P&A - Approved

Mapsymbol: ADH Wh twpn: 1 Wh twpd: Ν Wh rngn: 26 Wh rngd: Е Wh sec: 34

Wh qtr: SW NW Completed: St fldno: 0

Prod field: Not Reported

Field no: 11111

Wildcat Yellowstone, N Reg field:

Dtd: 2425

Site id: MTOG20000000132

AREA RADON INFORMATION

State Database: MT Radon

Radon Test Results

Total Meas	Mean	Geom mean	Median	Std Dev	Max	% Sites>4 pCi/L	% Sites>10 pCi/L
					_		
101	3.7	2.9	3.2	2.7	14.6	32	0

Federal EPA Radon Zone for YELLOWSTONE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 59101

Number of sites tested: 17

Area Average Activity % <4 pCi/L % 4-20 pCi/L % >20 pCi/L Living Area - 1st Floor 2.000 pCi/L 100% 0% 0% Living Area - 2nd Floor Not Reported Not Reported Not Reported Not Reported 4.765 pCi/L Basement 65% 35% 0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map. USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Montana Public Water Supply Well Locations Source: Department of Environmental Quality

Telephone: 406-444-3744

Montana Groundwater Information Center Water Well Data

Source: Bureau of Mines and Geology

Telephone: 406-444-5358

OTHER STATE DATABASE INFORMATION

Montana Oil/Gas Wells Database

Source: Montana Board of Oil and Gas

Telephone: (406) 656-0040

RADON

State Database: MT Radon

Source: Department of Environmental Quality

Telephone: 406-444-6768 Radon Test Results

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

TC4387262.2s Page PSGR-2

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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AERIAL PHOTOGRAPHS





Billings, Montana

APPENDIXE

Kraft Properties

115 N 22nd Street Billings, MT 59101

Inquiry Number: 4387262.9

August 19, 2015

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography August 19, 2015

Target Property:

115 N 22nd Street

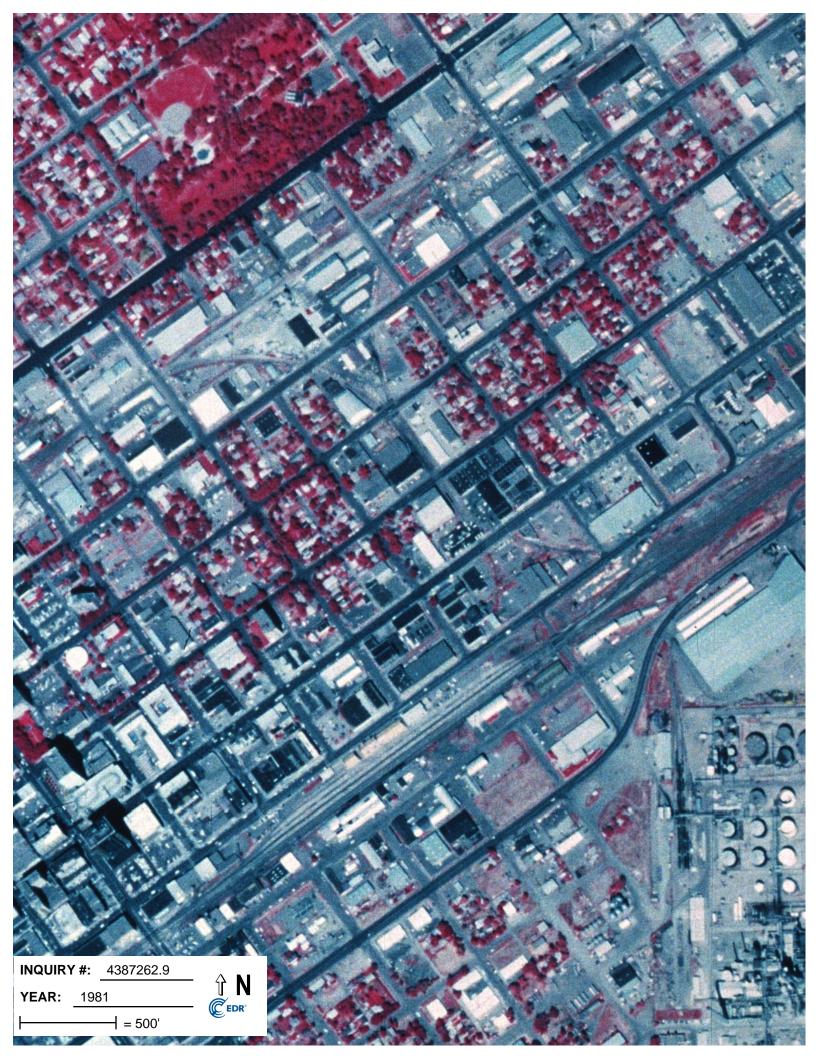
Billings, MT 59101

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1951	Aerial Photograph. Scale: 1"=750'	Flight Date: May 15, 1951	EDR
1969	Aerial Photograph. Scale: 1"=750'	Flight Date: August 27, 1969	EDR
1975	Aerial Photograph. Scale: 1"=500'	Flight Date: August 28, 1975	USGS
1981	Aerial Photograph. Scale: 1"=500'	Flight Date: August 24, 1981	USGS
1991	Aerial Photograph. Scale: 1"=500'	Flight Date: July 13, 1991	USGS
1996	Aerial Photograph. Scale: 1"=500'	DOQQ - acquisition dates: August 23, 1996	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2011	Aerial Photograph. Scale: 1"=500'	Flight Year: 2011	USDA/NAIP



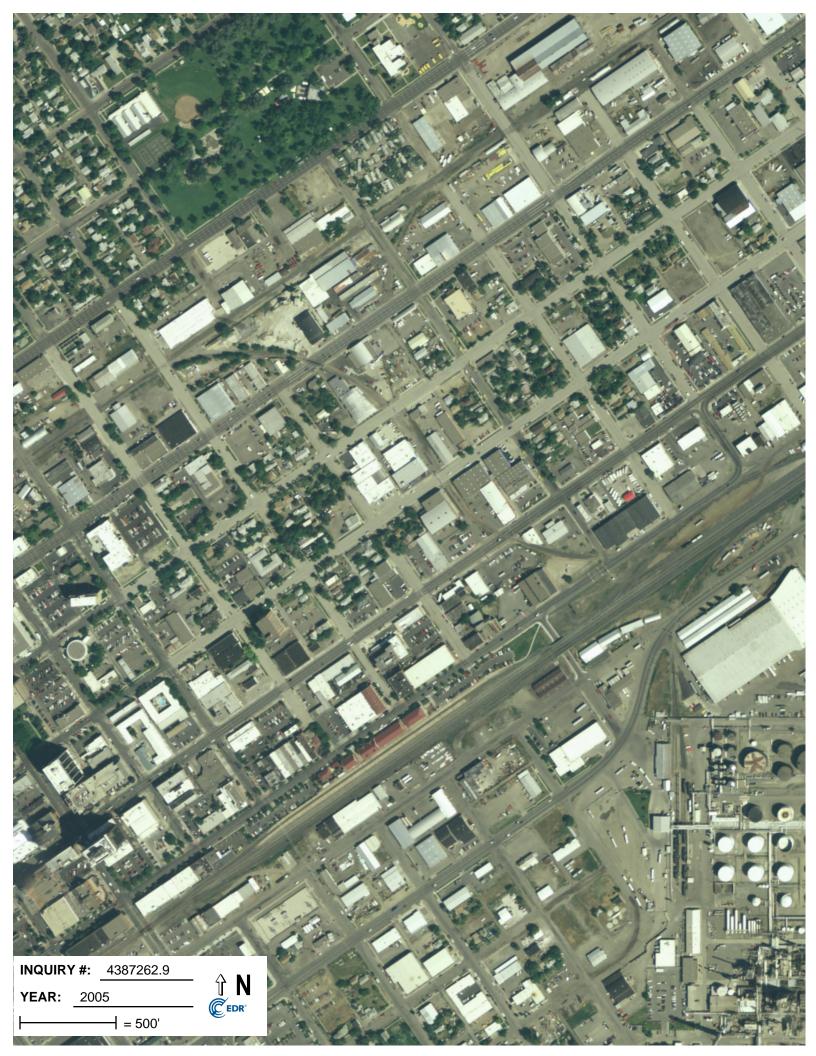






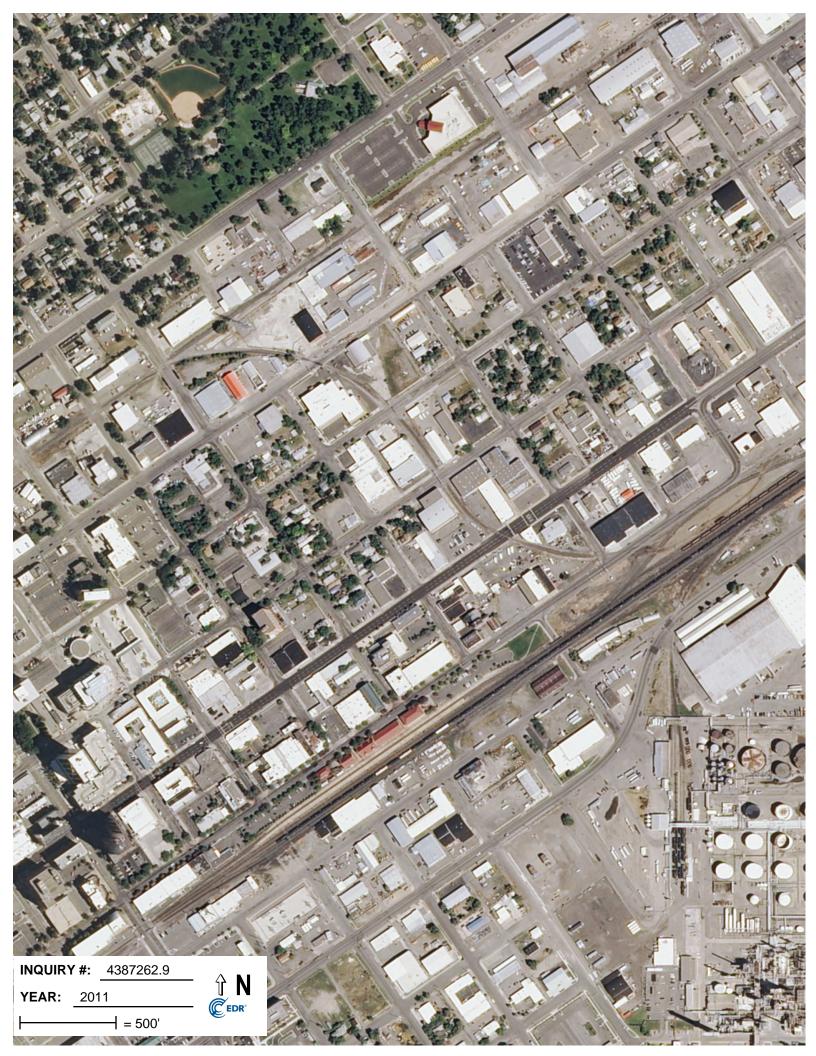












TOPOGRAPHICAL MAPS





Billings, Montana

APPENDIX F

Kraft Properties

115 N 22nd Street Billings, MT 59101

Inquiry Number: 4387262.4

August 19, 2015

EDR Historical Topographic Map Report



EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

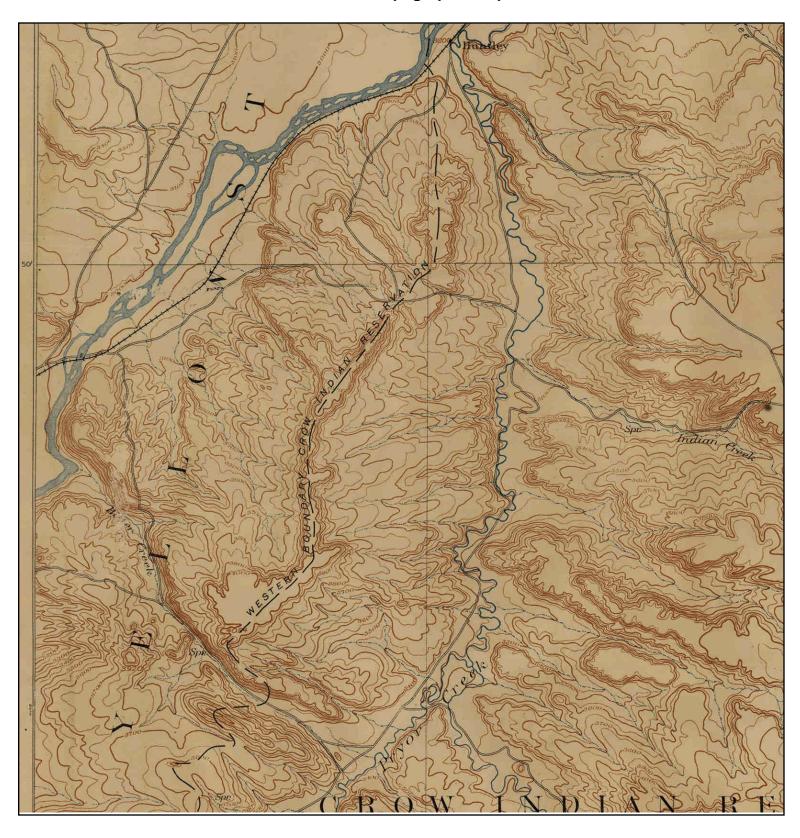
Thank you for your business.
Please contact EDR at 1-800-352-0050 with any questions or comments.

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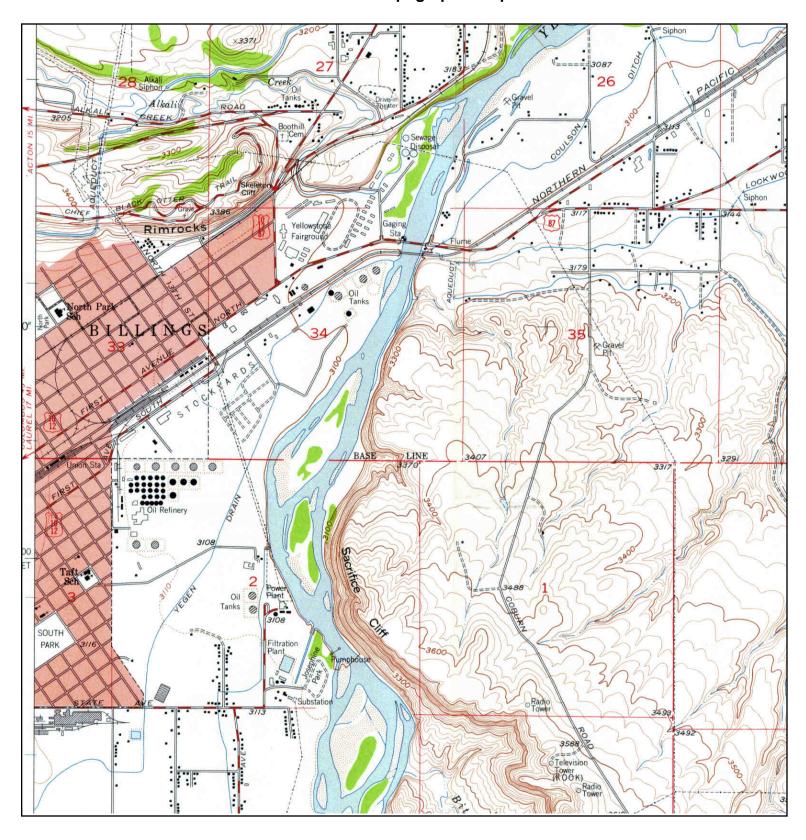


TARGET QUAD

NAME: HUNTLEY MAP YEAR: 1893

SERIES: 30 SCALE: 1:125000 SITE NAME: Kraft Properties
ADDRESS: 115 N 22nd Street

Billings, MT 59101 LAT/LONG: 45.7864 / -108.4986 CLIENT: NewFields
CONTACT: Tyler Etzel
INQUIRY#: 4387262.4
RESEARCH DATE: 08/19/2015





TARGET QUAD

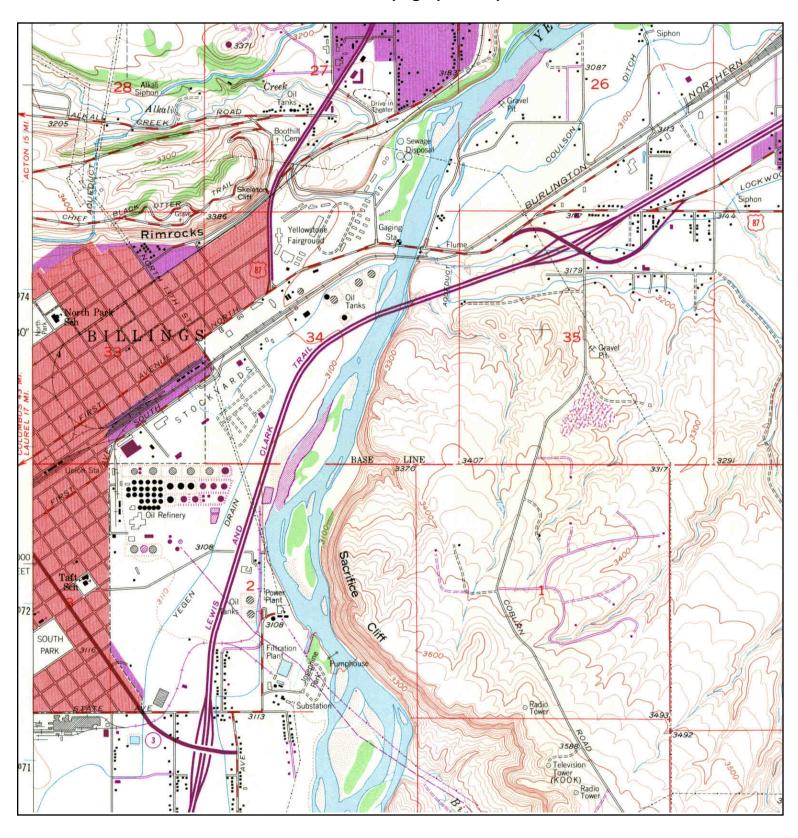
NAME: BILLINGS EAST

MAP YEAR: 1956

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Kraft Properties

ADDRESS: 115 N 22nd Street

Billings, MT 59101 LAT/LONG: 45.7864 / -108.4986 CLIENT: NewFields
CONTACT: Tyler Etzel
INQUIRY#: 4387262.4
RESEARCH DATE: 08/19/2015





TARGET QUAD

NAME: BILLINGS EAST

MAP YEAR: 1969

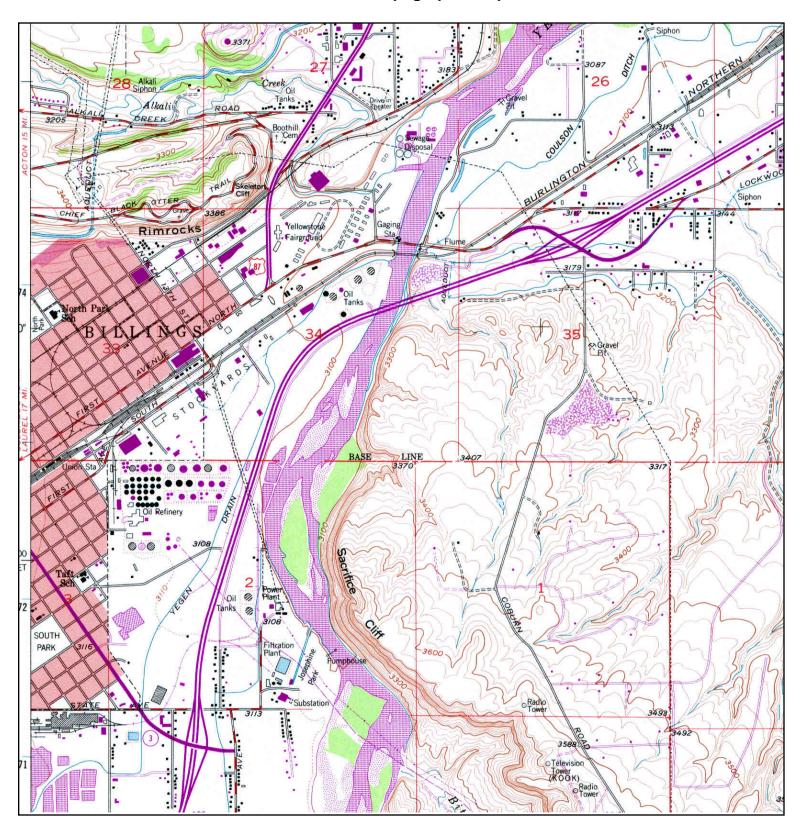
PHOTOREVISED FROM:1956

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Kraft Properties
ADDRESS: 115 N 22nd Stre

115 N 22nd Street Billings, MT 59101

LAT/LONG: 45.7864 / -108.4986

CLIENT: NewFields
CONTACT: Tyler Etzel
INQUIRY#: 4387262.4
RESEARCH DATE: 08/19/2015





TARGET QUAD

NAME: **BILLINGS EAST**

MAP YEAR: 1975

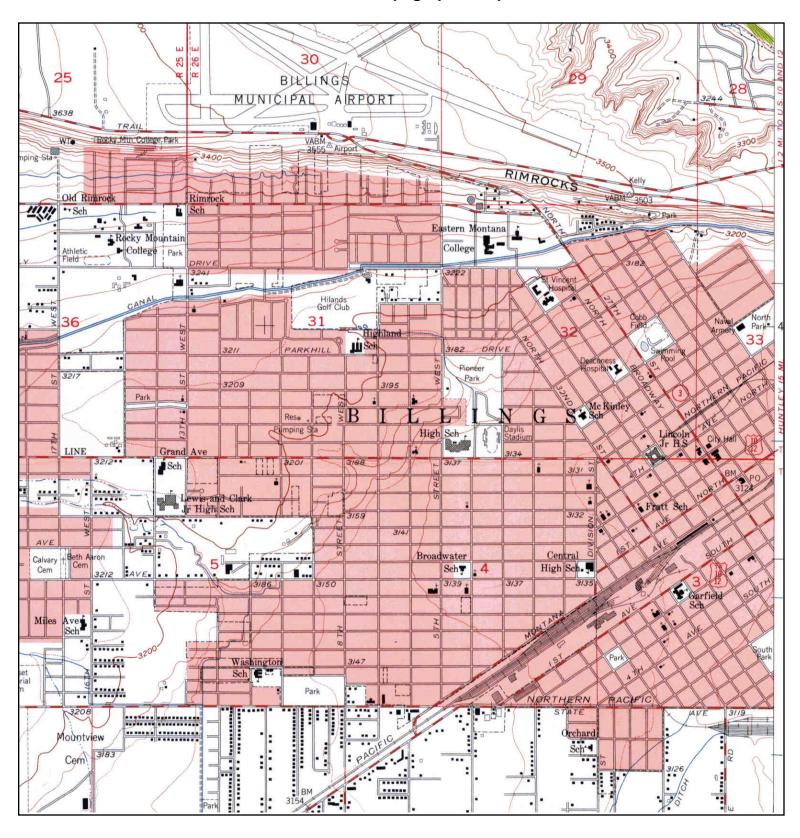
PHOTOREVISED FROM: 1956

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Kraft Properties ADDRESS:

115 N 22nd Street

Billings, MT 59101 45.7864 / -108.4986 LAT/LONG:

CLIENT: NewFields CONTACT: Tyler Etzel INQUIRY#: 4387262.4 RESEARCH DATE: 08/19/2015





NAME: BILLINGS WEST

MAP YEAR: 1957

Ν

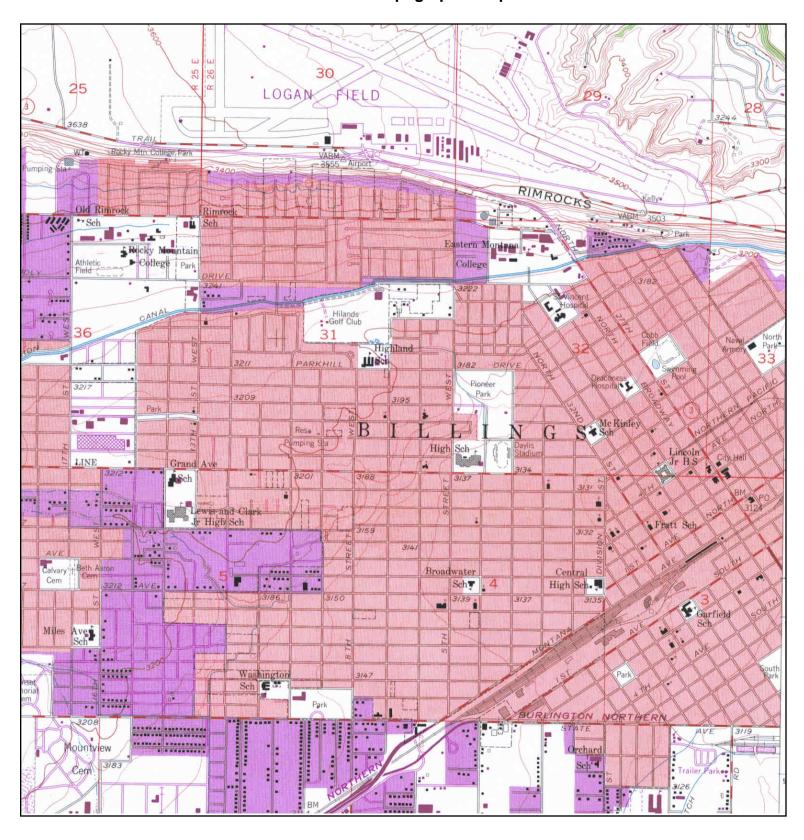
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Kraft Properties
ADDRESS: 115 N 22nd Street

Billings, MT 59101

LAT/LONG: 45.7864 / -108.4986

CLIENT: NewFields
CONTACT: Tyler Etzel
INQUIRY#: 4387262.4

RESEARCH DATE: 08/19/2015



ADJOINING QUAD

NAME: BILLINGS WEST

MAP YEAR: 1969

Ν

PHOTOREVISED FROM: 1957

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Kraft Properties

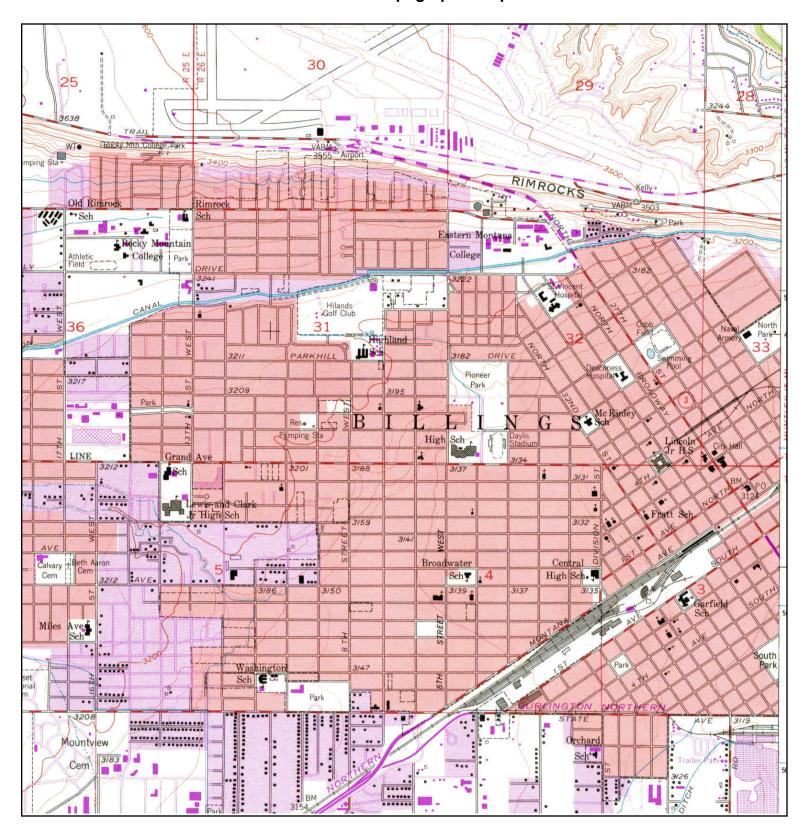
ADDRESS: 115 N 22nd Street

Billings, MT 59101

LAT/LONG: 45.7864 / -108.4986

CLIENT: NewFields CONTACT: Tyler Etzel INQUIRY#: 4387262.4

RESEARCH DATE: 08/19/2015





BILLINGS WEST NAME:

MAP YEAR: 1975

Ν

PHOTOREVISED FROM: 1957

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Kraft Properties ADDRESS:

115 N 22nd Street

Billings, MT 59101 INQUIRY#: 4387262.4 45.7864 / -108.4986 LAT/LONG: RESEARCH DATE: 08/19/2015

CLIENT:

CONTACT:

NewFields

Tyler Etzel

SANBORN FIRE INSURANCE MAPS





Billings, Montana

<u>APPENDIX G</u>

Kraft Properties

115 N 22nd Street Billings, MT 59101

Inquiry Number: 4387262.3

August 18, 2015

Certified Sanborn® Map Report



Certified Sanborn® Map Report

8/18/15

Site Name: Client Name: Kraft Properties NewFields

115 N 22nd Street 1120 Cedar Street

Billings, MT 59101 Missoula, MT 59802-0000

EDR Inquiry # 4387262.3 Contact: Tyler Etzel



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by NewFields were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Kraft Properties
Address: 115 N 22nd Street
City, State, Zip: Billings, MT 59101

Cross Street:

P.O. # 350.0181

Project: Kraft Properties Phase I ESA

Certification # 14A6-4315-8CCA

Maps Provided:

1969 1912

1968

1961

1958

1948

1923



Sanborn® Library search results Certification # 14A6-4315-8CCA

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

✓ Library of Congress

University Publications of America

✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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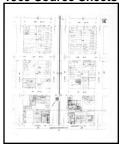
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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1969 Source Sheets





Volume 1, Sheet 14

Volume 1, Sheet 15

1968 Source Sheets

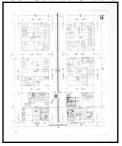


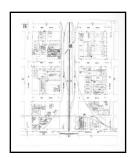


Volume 1, Sheet 14

Volume 1, Sheet 15

1961 Source Sheets

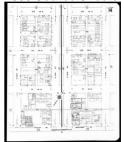




Volume 1, Sheet 14

Volume 1, Sheet 15

1958 Source Sheets









Volume 1, Sheet 14 Volume 1, Sheet 15

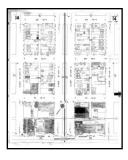
Volume 1, Sheet 14

Volume 1, Sheet 15

1948 Source Sheets



Volume 1, Sheet xxxx



Volume 1, Sheet 14

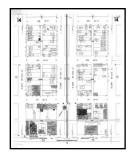


Volume 1, Sheet 15

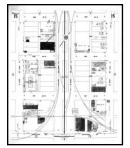
1923 Source Sheets



Volume 1, Sheet xxxx



Volume 1, Sheet 14



Volume 1, Sheet 15

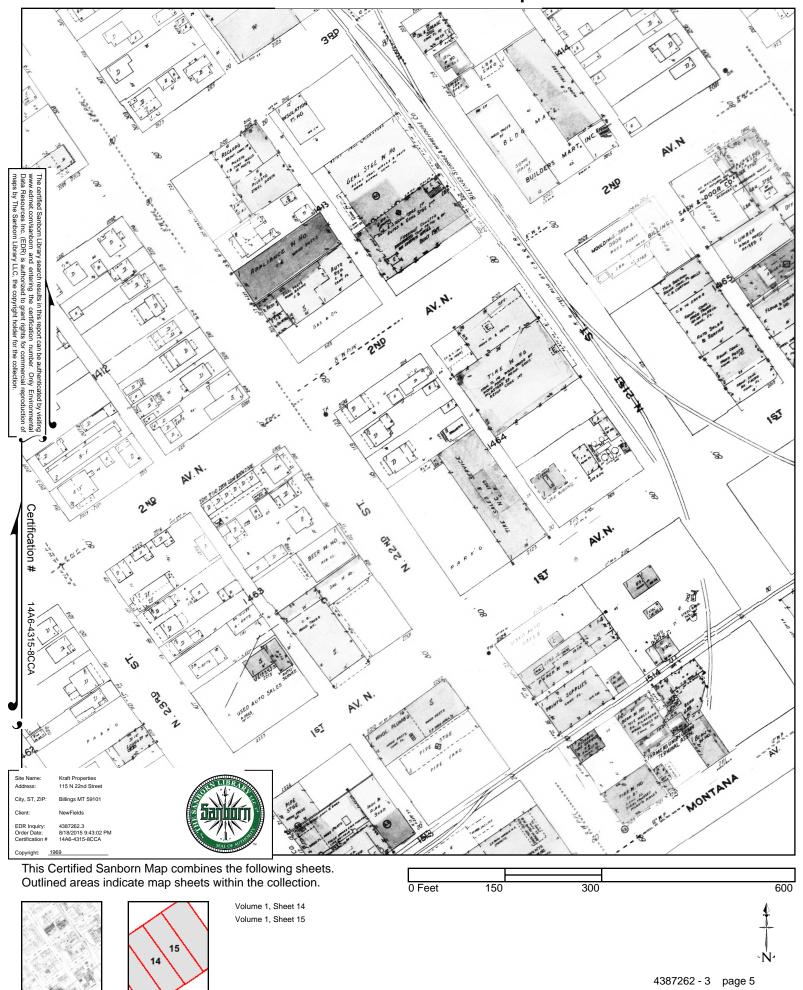
1912 Source Sheets

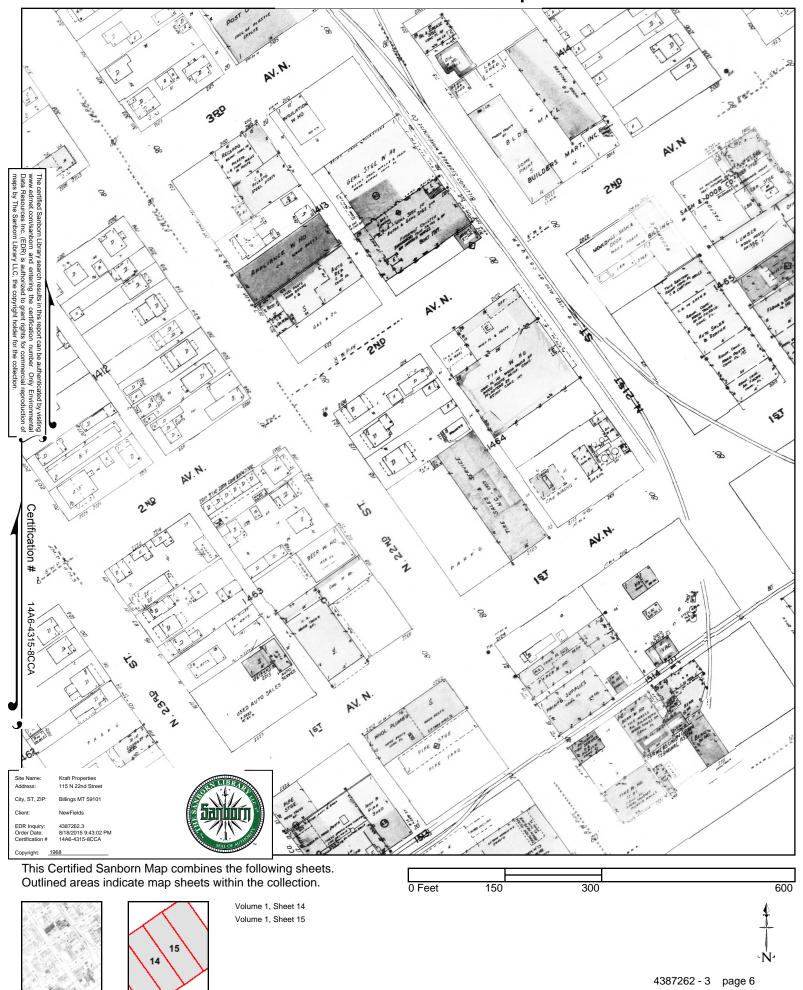


Volume 1, Sheet 25



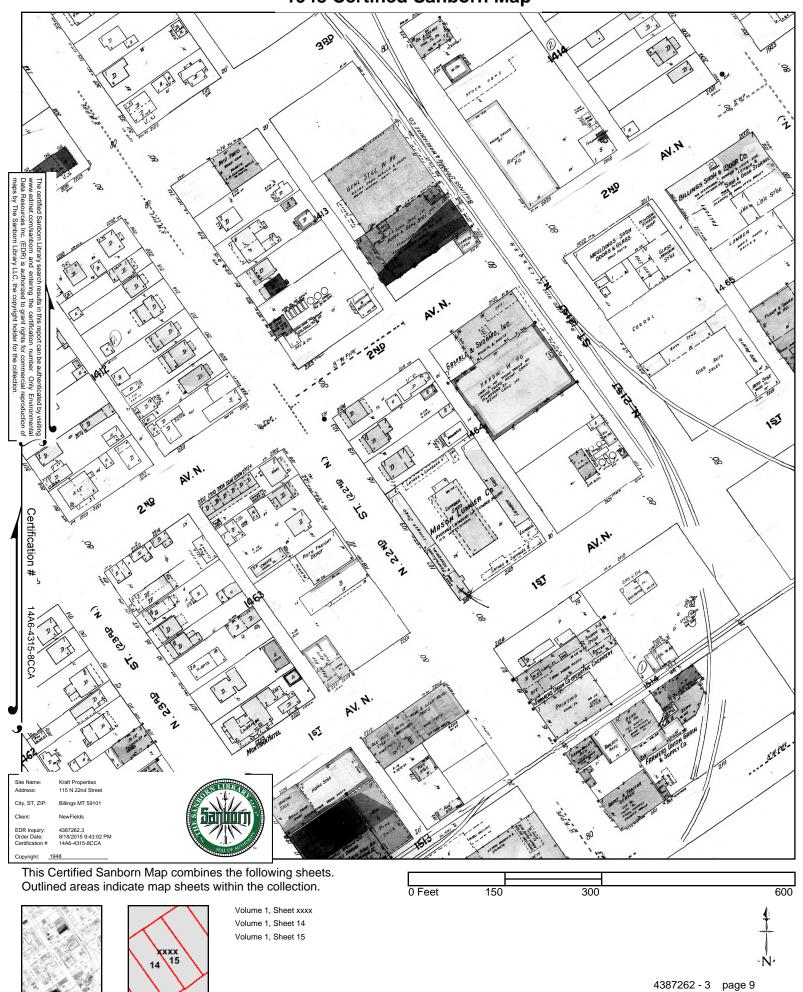
Volume 1, Sheet 26

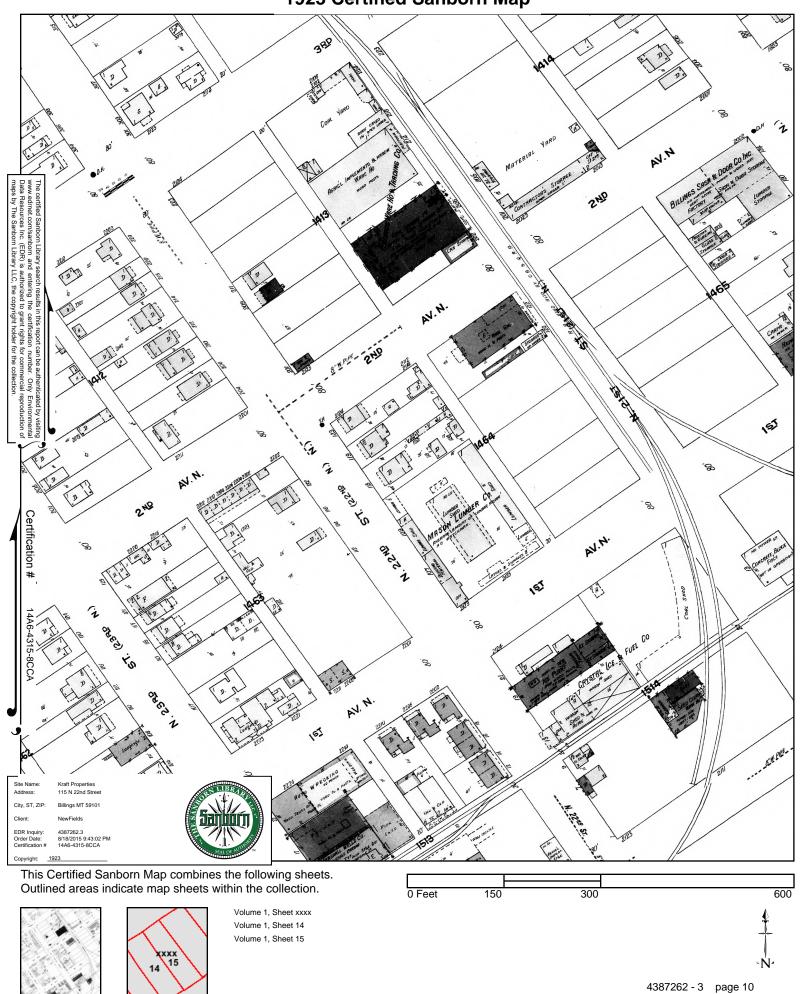


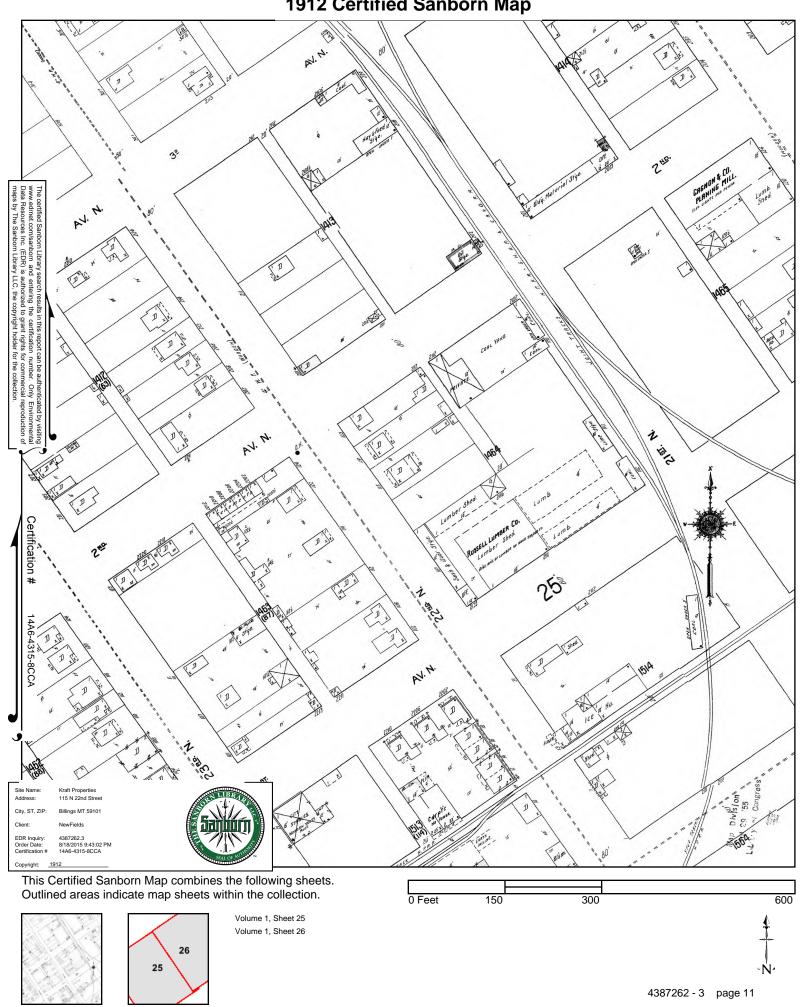












SITE PHOTOGRAPHS





Billings, Montana

<u>APPENDIX H</u>



Photo 1. Exterior of 119 N. 22^{nd} Street facing east.



Photo 2. 115 N. 22nd Street facing east.



Photo 3. Exterior of 119 N. 22nd Street facing west.



Photo 4. Suspect ACM spray on popcorn ceiling on the interior of 119 N. 22nd Street.



Photo 5. New insulation in the cellar of 119 N. 22nd Street.

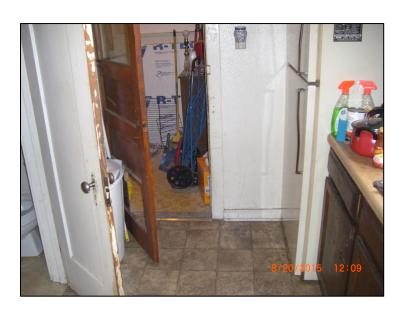


Photo 6. Suspect ACM vinyl sheet flooring inside 119 N. 22nd Street.

SITE RECONNAISSANCE CHECKLIST





Billings, Montana

APPENDIX



PHASE I ESA – SITE RECONNAISSANCE CHECKLIST

Method(s) Used to Observe Property: 5:+-	Date: 8/20/15 Project Number:
Wallieger	Project Name: Kaft Properties
Access/ Observation Limitations: Unable	Address/Location: 115 and 119 N 22nd Street 1 Billings MT
to access 1191/2 N	NewFields Staff: 30.000
Dano on day of site	Site Manager: Carol Kraft
1):5:+	Phone Number: 466-672-7372
	Other Interviewees:

Item	Observations
I. GENERAL SITE SETTING	
Current and Past Use(s): Property Surrounding area Adjoining properties	- Residential - mixed Residential and commercial
2. Site Topography	Flat Slight Slope to south
 3. Site Hydrology Streams Springs, seeps Ponds Surface water flow direction 	None
 4. Site Geology, Hydrogeology Sinkholes Mining activity? Groundwater occurrence, depth Outcrops 	None
 5. Structures – General Description No. buildings No. stories Date – orig. construction, renovations General condition 	1- # 2 5tory Ouplex - 1940'S - 3000
Site Surface Cover Vegetation - type Manmade - type	grass W/trees
 7. Roads Adjoining thoroughfares Streets, roads, paths – use/outlet/public access Parking facilities 	North- 2nd Ave North East- North 22nd St

500th - 1st Ave North/yellowstone Brewary



Item	Observations
8. Potable Water Supply • Source	City
9. Sewage Disposal SystemTypeAge	City City
II. INTERIOR/EXTERIOR OBSERVATIONS	
Aboveground Tasks (ASTs) Check for tank pads, piping evidence of former tanks How Many? For Each: Location Contents	None
 Age Volume (cap.) Piping/condition? Condition (check for fixture leakage, ruptures, corrosion, dents, etc. Spills/leaks? (check for stained soil, dead vegetation, etc.) 	
2. Underground Tanks, (USTs) Check for vent and fill pipes, pump pads, cover plates, other aboveground access ways How Many? For Each: Location Contents Age Volume (cap.) Condition/inspections? Spills/leaks Piping/condition? If closed – closure date, procedure used	None
3. Odors • Describe • Source(s)?	None
4. Pools of LiquidsType?Sumps w/liquids	None
 5. Drums Location Contents Labels Condition (check for seals, bulges, rusting, proper closure) Spill control features? Type Size/capacity Leakage? 	None
6. Other Containers • Location • Contents • Labels • Storage conditions • Type • Approx. size/quantity • Leakage? • Spill control features?	None



Item	Observations
7. PCB Items Check electrical, hydraulic equipment, esp. transformers; do not include fluorescent light ballasts Location Age Condition Type Labels/ID Nos.? Leakage?	None
III. INTERIOR OBSERVATIONS	
Heating/Cooling system Type Fuel source Boiler room	Window AC Nort Jas Heat Forced A:/
 Exhaust(s) Stains/Corrosion Floors Walls Ceilings Sources? 	None
3. Drains/Sumps • Where go?	None
4. Flooring Material	cinoleum, carpet, wood
5. Insulation Type (If asbestos – see optional asbestos section at end of checklist)	Fiber Blass (New)
 6. Process Equipment	None
Plating? NY DYSTED OR OR SEDVATIONS	
IV. EXTERIOR OBSERVATIONS 1. Pits, Ponds, Lagoons • Location • Age • Type of const. • What used for/contents • Size • General condition	None
 Pollution control? Discharge? To what? Monitoring? (If wells – note number, location, depth, condition) Any leaks, seeps spill evidence? 2. Stained Soil, Pavement	
Describe Sources?	None
 3. Stressed Vegetation Describe Use of herbicides? Pesticides? Location 	caused by tree,



Item	Observations
 Amount/frequency of application Who applied 	None
Solid Waste Disposal – Landfills, Waste Piles (incinerators) Check for fills, mounds, depressions, ash/burnt areas, construction debris Off site disposal – dumpsters? Contractor name?	City land Eill
 For Each On-Site Waste Disposal Area Facility: Location Size Age Type of construction General condition Discharge? To what? Pollution control? Monitoring? (If wells – note location, number, depth, condition Any leaks, seeps, spills evidence? 	None
 5. Wastewaters/Stormwaters Discharge to drains? Ditches? Streams? Manholes? Oil/water separators? Wastewater treatment? What kind? If sludge generated, where disposed? 	None
Wells – Dry Wells, Water Wells, Irrigation, injection, Oil and Gas, Monitoring, Abandoned Type Location Condition	None
7. On site Septic System – Tanks, Cesspools Type Condition	None
8. Pipelines • General location • Type (substances carried) • Age • Construction • Depth	None
 Size Leakage? Tests? 9. Air Emissions Exhausts Stacks Vents Incinerators Air pollution control equipment (baghouses, cyclones, etc.) Sources, emissions? 	None
V. QUESTIONS – HELPFUL DOCUMENTS, LEGAL PROCEEDINGS 1. Site Plans	
 Aerials ESA Reports Environmental Audit Reports Environmental Permits (e.g., solid waste, haz. Waste, NPDES, air, wastewater, pretreatment, UIC) Type Status UST/AST Registrations 	Asbestas inspection done by Northern Industrial Hyguine



Item	Observations
 UST/AST Inspections UST/AST Inventory Reports MSDS Sheets Community Right to Know Plan Safety, SPCC Plans Spill Reports Fire Dept. hazardous Use Permits/Inspections Pipeline Inspection Reports Hazardous Waste Generator, Notification or Reports Hazardous Waste Manifests/Solid Waste Disposal Documentation Hydrogeologic Reports Geotechnical Studies Correspondence RE: Violations or Env. Liens Knowledge of Any Pending, Threatened, or Past Litigation, Administrative Proceedings, or Notices of Possible Env. Liability? 	
VI. SKETCH MAP OPTION – ASBESTOS – Preliminary Survey	On Contract College
 Asbestos in construction materials? Age of construction/renovation(s)? Any asbestos survey conduction? Results? Visual Indications of ACM: Insulation – pipes, etc. Floor Tiles (esp. 9"x9") Spray-on material – ceilings Others 	Popcorn ceiling in living room

SITE OWNER INTERVIEW QUESTIONNAIRE





Billings, Montana

<u>APPENDIX</u>

Subject Property:	115	North	92nd	Street	and	119 N.	Souge	Street
Project: BSED	Project: BSED Phase I Environmental Site Assessment							
Introduction: The fall Appropriate Inqui E1527-13, Standard of the Phase I Environment	iiries (A Practice	AI) Final for Envir	Rule and	l ASTM Inter l Site Assessr	national ((ASTM) St	tandard	
Questionnaire Purp an environmental site evaluate the property environment. As the your input in the asse record or is not visual appropriate response hazardous waste or h questionnaire by circ completed questionnaire	e assess: for evidence property essment ally appa . If an eleazardou ling the aire sho	ment of the dence of he dence of he dence of he is request arent. Ple employee as material appropria uld be sig	ne subject nazardous owner's a ted to col ase answ has bette l releases ate answe	t property. The swaste or haze representative lect information of the following representative results of the following representative repres	ne purpose zardous m e, or curre ton that is ng questi of proper him or he he follow	se of the ass naterial rele ent or past les s not found ons by circ ty history rer complete ing question	sessment is eases to the lessee/tena in the pub- cling the related to e a copy of ons. The	s to e ant, olic f the
NewFields C 1120 Cedar S Missoula, M Fax: (406) 54	Street ontana	59802						
QUESTIONNAIRE	PART	I: ESA F	BACKGRO	OUND INFORM	MATION			
A. Please provid	le curre	nt and his	torical ad	ldresses for th	ne subject	property:		
15 N 22nd 19 N 22nd								
B. Please provide a brief chronology of the subject property ownership and history: Owned Since 1998								

QUESTIONNAIRE PART II: ENVIRONMENTAL QUESTIONS

A. To your knowledge, is the subject property and/or adjoining property used or have/has
been used in the past in the following manner:
1. Any industrial use
2. Gasoline station
3. Motor or equipment repair facility
4. Commercial printing facility5. Dry cleaners
6. Photo developing laboratory
7. Junkyard or landfill
8. A waste treatment, storage, disposal, processing, or recycling facility (if
applicable, identify which)?
-11
Yes (Circle all that apply) No Unknown
Comments:
B. Are there currently or have there been in the past any of the following materials stored at, used at, or brought onto the subject property or facility and/or adjoining property or facility (if applicable, identify which): 1. Automotive or industrial batteries 2. Pesticides 3. Paint 4. Other chemicals 5. Fill dirt originated from a contaminated site or of an unknown origin (if applicable, identify which)? Yes (Circle all that apply) No Unknown
Comments:
Comments.

C.	the pro	ere currently of perty and/or a Pits			ast any of the fo	ollowing features located on
		Lagoons or				
	3. 4.	Clarifiers or Stained soil	sumps			
	5.			stered storage tan	ks (above or und	derground) (if applicable,
	Yes (C	ircle all that a	apply)	No		Unknown
Co	mments	:				
D.	following on the part of the p	ing objects or property and/ Vent pipes Fill pipes	evidence or adjoin		roperty or adjac	he past any of the ent to any structure located
	4.	Leaks, spill,				r (if applicable, identify
	5.	which)	accainta	d with any floorin	a draina vialla	anilimas or armand
	3.			e, identify which)?		ceilings, or exposed
Ш	Yes (C	ircle all that a	apply)	No		Unknown
Co	mments:					

Е.	If the property and/or adjoining property is served by a private well or non-publisystem, do you have any knowledge that: 1. Contaminants have been identified in the well or system that exceed gui applicable to the water system 2. The well has been designated by any government environmental/health being contaminated?	idelines
	Yes (Circle all that apply) No Unknown	
Co	nments:	
_		
F.	 With respect to the property or any facility located on the property and/or adjoin property, do you have any knowledge of or have you been informed of: Past or current existence of hazardous substances or petroleum products Past or current existence of environmental violations Any permits, orders, or waste discharge requirements issued by or requestrom any environmental regulatory agency in relation to the properties. Any environmental assessment indicating the presence or contamination hazardous substances or petroleum products or recommended further as Any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products? 	ested n of esessment
	Yes (Circle all that apply) No Unknown	
Co	nments:	

,	and/or burned any o storm water or sanitant. Wastewater	f the folloary sewer (not incluous substant) d waste m	owing material system (if apuding sanitary ances or petrolaterials	ls on or adjac plicable, iden waste or stor	m water)	nd/or into a
	ments:	арргу)	NO		Chkhown	
Con	iments.					
			×			

	Are there or have the records indicating the 1. Transformer 2. Capacitor 3. Any hydraul	ne presenc r	ce of polychlor		nent for which there anyls (PCBs)?	are any
	Yes (Circle all that a	apply)	No		Unknown	
Com	ments:					
					-	
			·			

	operty been conducted? wn. ntal		ssessments of the property nature and dates of these
Yes (Circle all that a	apply) No		Unknown
Comments:	11 37		
Enviro n	nental -ab as	chectos	
	TOTAL PAY	mes is s	
orders, consent decr	ny environmental cleanu ees, cleanup and abatem ral, state, tribal or local	nent orders, or laws	property, governmental suits that are filed or
Yes	No		Unknown
Comments:			

- K. Are you aware of any activity or land use limitations, such as engineering controls, land use restrictions or institutional controls, that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26)? Please provide the nature and dates of these assessments, if known.
 - 1. Engineering Controls (e.g., engineered cap, subsurface barrier wall, etc.)
 - 2. Land Use Restrictions (e.g., industrial only, no groundwater removal, etc.)

3. Institutional Controls (e.g., deed restrictions, financial assurances, etc.)
Yes (Circle all that apply) No Unknown
Comments:
This questionnaire was completed by:
Name (arol Kradt
TitleOwner
Representing
Address PO Box 533
City, State, Zip Billings MT 59103
Phone Number 406 - 672 - 2372
Signature Worldaff
Date 8-28.15